

19980709.qrp v01_n147.qrs.980709

Date: Thu, 9 Jul 1998 19:03:15 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1147

QRP-L Digest 1147

Topics covered in this issue include:

- 1) [14684] MM VIA KAYACK
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 2) [14685] cheap filters
by "Jerry W. O'Dell" <jwodell@ameritech.net>
- 3) [14686] Quad question
by Vic Rosenthal <rakefet@rakefet.com>
- 4) [14687] Prog. for Drawing Schematics
by WU0L@aol.com
- 5) [14688] Original/Standing NorCal 20 Announcement
by Jerry Parker <jparker@fix.net>
- 6) [14689] Re: Prog. for Drawing Schematics
by Andy Fox <foxes@theriver.com>
- 7) [14690] Fish Story or Know
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- 8) [14691] Re: Prog. for Drawing Schematics
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- 9) [14692] Re: Prog. for Drawing Schematics
by Wayne Montague <montaw@tdbank.ca>
- 10) [14693] SchematiCAD
by Wayne Montague <montaw@tdbank.ca>
- 11) [14694] drawing schematics
by wj5o@juno.com (William H. Hays)
- 12) [14695] SG-2020, responce
by ke3fl@juno.com
- 13) [14696] Fish Story or No
by jdenison@morelr.com (JOEL DENISON)
- 14) [14697] Index Labs QRP+ FS \$400
by enboe@juno.com (Eric N Boe)
- 15) [14698] RE: N/T+ AM
by Monte Stark <ku7y@dri.edu>
- 16) [14699] re: SIMPLE ANTENNA NITE
by macstein@cftnet.com (Mac Steinmeyer)
- 17) [14700] SIMPLE ANT. NITE COMMENTS
by ARDUJENSKI@aol.com
- 18) [14701] re: SIMPLE ANTENNA NITE
by macstein@cftnet.com (Mac Steinmeyer)
- 19) [14702] poker chips for keyers

- by Dave Willey <dave@cds1.net>
- 20) [14703] Re: Fish Story or Know
by "George T. Baker" <w5yr@swbell.net>
- 21) [14704] New Altoids
by Steve Yates <aa5tb@swbell.net>
- 22) [14705] 75 meter NW QRP SSB Net
by bill@WILLAPABAY.ORG (Bill Todd)
- 23) [14706] RS Analog Special ... \$19.95
by Conrad <radman@best.com>
- 24) [14707] Indoor Antenna
by Thomas Roth <th.roth@apc.de>
- 25) [14708] Re: SIMPLE ANT. NITE COMMENTS
by mikemo@ibm.net
- 26) [14709] re: Screwdriver Antenna
by "Laurent C. Lafond" <aa1qj@ids.net>
- 27) [14710] Simple antennas
by Paul Helbert <phelbert@rica.net>
- 28) [14711] Digital Camera
by David Shalita <af389@lafn.org>
- 29) [14712] INQRP Indiana QRP At Indy
by Jim Osburn <wd9eyb@butler.indiana.net>
- 30) [14713] FW: Fish Story or Know
by Art Marshall <artm@t-com.com>
- 31) [14714] Delta Info update
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 32) [14715] Linear Loading
by John Mckee <JMckee@RFMD.com>
- 33) [14716] Re: Prog. for Drawing Schematics
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 34) [14717] MRF 477 Transistor
by Davewb4@aol.com
- 35) [14718] Re: Digital Camera
by plundy@max.state.ia.us (Paul Lundy)
- 36) [14719] Attachments
by "Bryan Turner" <turnerw@email.uah.edu>
- 37) [14720] Re: Linear Loading
by haf47@juno.com (Howard Friedman)
- 38) [14721] Re: Linear Loading
by Michael Maiorana <mikemo@ibm.net>
- 39) [14722] Re: Linear Loading
by Chris Trask <ctrask@primenet.com>
- 40) [14723] re: fish story
by wj5o@juno.com (William H. Hays)
- 41) [14724] Outbacker Antenna
by jduffy1@ix.netcom.com
- 42) [14725] Re: Attachments
by "George T. Baker" <w5yr@swbell.net>
- 43) [14726] Re: N/T+ AM

by applitech@mcg.net (Claton Cadmus)

44) [14727] Re: Indoor Antenna
by "George T. Baker" <w5yr@swbell.net>

45) [14728] Re: Digital Camera
by Bruce Muscolino <w6toy@erols.com>

46) [14729] Re: Indoor Antenna
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

47) [14730] START PLANNING NOW...
by ARDUJENSKI@aol.com

48) [14731] Re: Linear Loading
by "George T. Baker" <w5yr@swbell.net>

49) [14732] ICOM and 2sk125 fet
by "Peter C. Wotherspoon" <Peter.C.Wotherspoon@hydro.on.ca>

50) [14733] NC20 and flak jackets
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>

51) [14734] Re: Digital Camera
by "Brad Mitchell" <bmitchel@kodak.com>

52) [14735] Re:Woodpecker - was Linear Loading
by "George T. Baker" <w5yr@swbell.net>

53) [14736] 28 Mhz beacons
by n4so@juno.com (charles k brown)

54) [14737] Possible CB to 10 Meters Mod???
by James P Rybak <jrybak@mesa7.mesa.colorado.edu>

55) [14738] Mode A & B
by ac5ez@webtv.net (Larry B)

56) [14739] Indoor Antenna
by Thomas Roth <th.roth@apc.de>

57) [14740] RE: Mode A & B
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>

58) [14741] Re: FW: Fish Story or Know
by Bob Patten <n4bp@bc.seflin.org>

59) [14742] Re: Linear Loading
by applitech@mcg.net (Claton Cadmus)

60) [14743] Re: Possible CB to 10 Meters Mod???
by plundy@max.state.ia.us (Paul Lundy)

61) [14744] Re: Fish Story or Know
by David Fouchey <dafouche@jax-inter.net>

62) [14745] Mode a & b
by ac5ez@webtv.net (Larry B)

63) [14746] SW40/30
by Tellefsen Bob-CNSE97 <cns97@lmpsil02.comm.mot.com>

64) [14747] Half-Square Question
by Ken Newman <n2cq@citnet.com>

65) [14748] Re: Fish Story or Know
by James Parsons <k5rov@wcc.net>

66) [14749] Help for the balun impaired
by Michael Maiorana <mikemo@ibm.net>

67) [14750] Re: ICOM and 2sk125 fet

- by Zack Lau <zlau@arrl.org>
- 68) [14751] Screwdriver Antenna
by Andy Fox <foxes@theriver.com>
- 69) [14752] Re: Loop Antenna questions
by Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
- 70) [14753] Re: Screwdriver Antenna
by Andy Fox <foxes@theriver.com>
- 71) [14754] Power Supply Efficiency
by Andy Fox <foxes@theriver.com>
- 72) [14755] Tuna Tin 2
by Willie Martin <71052.134@compuserve.com>
- 73) [14756] SST sidetone
by marion@montana.com
- 74) [14757] Re: ICOM and 2sk125 fet
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
- 75) [14758] Rotatable Dipoles/D3W
by n4so@juno.com (charles k brown)
- 76) [14759] 160, 80M RESTRICTED SPACE ANTENNA
by ARDUJENSKI@aol.com
- 77) [14760] PLL chip on the GE help HT?
by tom whalen <whalen@swcp.com>
- 78) [14761] CB to 10 M Conversion
by Glen Reid <k5hgb@flash.net>
- 79) [14762] Now showing: July's edition of The ARS Sojourner
by Richard Fisher <nu6sn@yahoo.com>
- 80) [14763] Re: 160, 80M RESTRICTED SPACE ANTENNA
by Ed Loranger <we6w@qsl.net>
- 81) [14764] Elmer101: who should post?
by Michael Maiorana <mikemo@ibm.net>
- 82) [14765] Results of the JULY SPARTAN SPRINT
by "Russ Carpenter" <russ@natworld.com>
- 83) [14766] Bee Alert!
by "Russ Carpenter" <russ@natworld.com>
- 84) [14767] TECHAMERICA
by w2bj@juno.com (Barry J Minsky)
- 85) [14768] Re: Digital Camera
by "Marshall Emm" <mgemm@mtechnologies.com>
- 86) [14769] Re: Digital Camera
by Michael Maiorana <mikemo@ibm.net>
- 87) [14770] Scanning 2 Meters At Indy Fest
by Jim Osburn <wd9eyb@butler.indiana.net>
- 88) [14771] Re: Digital Camera
by "Marshall Emm" <mgemm@mtechnologies.com>
- 89) [14772] RE: Mode A and B
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>
- 90) [14773] Watch out for this Bumble Bee
by Bill Jones <kd7s@psnw.com>
- 91) [14774] Re: TECHAMERICA

- by Dave Sjolin <sjolin@swbell.net>
- 92) [14775] Re: WTB: TenTec 9MHz Filters
by Gary Hembree <Gary.Hembree@asu.edu>
- 93) [14776] Re: QUESTION... FEEDING THE Half-SQUARE... Wire/Rope/Trees
by jdenison@morelr.com (JOEL DENISON)
- 94) [14777] QSL note to maybe 15 of you.
by "Larsen, Jim" <JLarsen@alascom.att.com>
- 95) [14778] Stepper Motors for Solar Tracking
by Tracy@bytemark.com (Tracy)
- 96) [14779] Bumble Bee Stuff
by Armstrongs <barmstrong@mail.SISNA.com>

Date: Wed, 8 Jul 1998 18:59:23 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:jdenison@morelr.com" <jdenison@morelr.com>, "+Doc W.D. Lindsey/
K0EVZ" <70511.3041@compuserve.com>,
//QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [14684] MM VIA KAYACK
Message-ID: <199807081903_MC2-5282-562B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Joel:

Well count me in for possible QSO's. Just need to know when you will be on. Good luck. BTW, did you think of trying the kind of foil used by the TAPETenna? Might be a little more rugged. Just a thought.

72/73,
--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Wed, 08 Jul 1998 19:56:12 -0400
From: "Jerry W. O'Dell" <jwodell@ameritech.net>
To: qrp-l@Lehigh.EDU
Subject: [14685] cheap filters
Message-ID: <19980709005546.CTJX9983@[206.141.212.231]>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone know of a source for cheap transceiver filters.
It sort of galls me to pay Icom \$200 for a filter, when
Ten Tec gets, I think, \$89 for a similar one. Wouldn't work
of course.

I know about the place that sells Icom substitutes,
but they're not cheap.

Thanks

73 jerry W8GND

Date: Wed, 08 Jul 1998 17:05:02 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14686] Quad question
Message-ID: <35A4092E.4BA503C8@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Not strictly QRP, but: I'm planning a full-size 2-element, 5-band
(20-17-15-12-10)
cubical quad. It will have an 8' boom. My question is: how can I feed it? I
only
want one feedline.

Should I connect all the elements together and feed it with coax? With or without
a
balun (I have a real nice W2DU balun -- the type made of ferrite rings around the
cable)? Would I be better off feeding it with ladder-line and using my matchbox?

I would prefer to keep it as simple as possible, obviously. Anyone with
experience
in this area?

Vic, K2VCO

Date: Wed, 8 Jul 1998 20:09:56 EDT
From: WU0L@aol.com
To: qrp-l@Lehigh.EDU
Subject: [14687] Prog. for Drawing Schematics
Message-ID: <f4b87705.35a40a55@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Does anyone know a good, fairly cheap Windows based program for drawing schematics?

I have been using TurboCad but I am not really satisfied with it. The program seems to have been designed mainly for mechanical and architectural stuff. Electronics library is not extensive.

Any info is appreciated.

72

Mark WU0L

Date: Wed, 08 Jul 1998 17:36:04 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [14688] Original/Standing NorCal 20 Announcement
Message-ID: <2.2.32.19980709003604.006da8d4@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Here is the announcement for the NorCal 20 just for clarification.

72,,,Jerry...WA6OWR...K

The NorCal QRP Club is pleased to announce it's newest kit, the NorCal 20, designed by Dave Fifield, AD6AY. The NorCal 20 is a 20 meter CW transceiver with the

following features:

Superhet receiver

TUF-1 Mixer for the front end (designed for the
harshes European conditions) NOT another
NE602 front end.

Variable output power from 0 - 5 Watts

VFO controlled, user bandwidth selectable from 10kHz
to 200kHz on any portion of the 20 meter band. This means
that if you only want your VFO to cover 25 kHz of the
band, you may set it up to do so.

Varactor tuned VFO, 10 K pot supplied, but board layed
 out for 10 Turn Pot

Self Contained Keyer custom designed for NorCal
by Embedded Research.

LM380N 2 Watt Audio chip. Easily drives a speaker.

Frequency readout via Audio Frequency Annunciator.
A PIC chip is used as a frequency counter with
audio output. In the Automatic mode, as you
tune the radio, a beep is generated every kHz. Then
when you stop, the last two digits of your frequency
are announced in Morse code. You may also push a
button to generate the frequency that you are on.
The manual mode does not have the beeps and you
must push the button to get your frequency.
Designed by Mike Gipe, K1MG.

Custom clam shell case, made from .090 aluminum.
4.5" x 4.25" x 2.25"
Designed by Bill Jones, KD7S, and made by Doug Hauff, KE6RIE.

All controls, knobs and connectors supplied.

Double sided, plated through, solder masked, silk
screened board, commercial quality.

Comprehensive manual, written in the build a section,
test a section style.

5 pole crystal filter.

220 board mounted parts, no surface mount.

Full QSK, NO relays.

IRF510 Final, 2N4427driver.

We will sell only 500 of these kits, and orders will not be accepted until Aug. 1st. There will only be one run, and there will not be another. NorCal will no longer produce unlimited kits. The price is \$95 for the kit, and \$5 shipping and handling in the US, \$10 DX to Canada and Europe, \$15 to Asia and the Pacific Rim. Payment must be in US funds only, and checks made out to Jim Cates, not NorCal. (European members may order from our European agent, Stephen Farthing and the price is 70 pounds sterling.) The kits will be shipped after Pacificon, with a shipping date of Oct. 20, 1998, providing our parts suppliers ship to us in a timely manner.

The exciting part of this project is that for every kit sold, NorCal will produce a second kit and send it to the G-QRP Club, which will handle distribution to hams in third world countries at no charge to the receiving hams. We will give the kits away! 500 kits sold, equals 500 kits for third world hams. George Dobbs has been selected to handle the distribution of the third world kits because of his extensive network of contacts with hams in these countries. Every effort will be made to assure that the kits get to deserving hams.

This is a huge project, and one that has never been done successfully before. The NorCal has been designed to be easy to build with minimal test equipment, yet be a quality radio capable of world wide contacts when finished. Dave has many years of experience of operating in Europe, and is very familiar with the requirements of radios in that environment. He has designed the front end with the operating environment in mind.

George Dobbs suggested during my visit last summer that NorCal come up with a way to provide kits for needy hams in third world countries. We have done it. The NorCal 20 team of Dave Fifield, George Dobbs, Jim Cates, Mike Gipe, Doug Hauff, Gary Diana, Brad Mitchell, Bill Jones, Richard Fisher, Jerry Parker, Paul Harden and Doug Hendricks have worked very hard to insure success. We hope you enjoy the

new kit, and thank you for your help to further QRP throughout the world.

Remember, no checks will be accepted until August 1st, in order to insure that everyone has a chance to learn of the project and has an opportunity to buy a kit.

Here is the address to send your order to when the time comes: Please send your check and a self addressed mailing label to:

Jim Cates
3241 Eastwood Rd.
Sacramento, CA 95821.

European orders may chose to send their order in British Pound Sterling to:

Stephen Farthing
38 Duxford Close
Melksham, Wiltshire
SN12 6XN
England

72,

Doug, KI6DS on behalf of the NorCal 20 team

209-392-3522
EMAIL DOUG

Date: Wed, 08 Jul 1998 17:29:18 -0700
From: Andy Fox <foxes@theriver.com>
To: WU0L@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14689] Re: Prog. for Drawing Schematics

Message-ID: <35A40EDE.120E@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Mark,

Ivex has a schematic capture program (WinDraft) and PCB layout program (WinDraft). There are fully operational free demo copies on their website, limited to some small number of pins. If you like the programs, you send money and you can upgrade. I've used them both (a little bit) and they're OK.

Their web site is at <http://www.ivex.com/>

GL,

--

72/73 de Andy, KK7HV - QRP-L #1286 - Tucson, AZ

Date: Wed, 8 Jul 1998 20:33:53 -0400
From: Stewart Whitehouse <STEW_W@compuserve.com>
To: "INTERNET:b2bn@hotmail.com" <b2bn@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [14690] Fish Story or Know
Message-ID: <199807082034_MC2-5296-A98A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi folks.

This reminds me of my old Navy days when I was stationed in a famous national park in Maine.

The farmers around the submarine broadcast facility in Cutler would light their barns by tapping into their barbed wire fences. Boy their barns must have blinked at about 18 wpm!

As I recall the transmitter ran MEGA watts on 17KHZ, and submarines around the world could copy the broadcasts while submerged! Maintenance included changing elements, and sweeping up, in the vacuum tubes.

Also remember a certain club station in Pensacola that had a florescent light tube taped to a 20 meter dipole; talk about TVI!

Have fun all
72
Stew KE4YH
Dunedin, Florida
EL88oa

Date: Wed, 08 Jul 1998 17:40:06 -0700
From: Andy Fox <foxes@theriver.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14691] Re: Prog. for Drawing Schematics
Message-ID: <35A41166.7A23@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Oops!

The PCB layout program is WinBoard, not WinDraft.

Sorry.

--
72/73 de Andy, KK7HV - QRP-L #1286 - Tucson, AZ

Date: Wed, 08 Jul 1998 21:05:14 -0400
From: Wayne Montague <montaw@tdbank.ca>
To: qrp-l@Lehigh.EDU
Subject: [14692] Re: Prog. for Drawing Schematics
Message-ID: <35A4174A.136B@tdbank.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Mark -

I've asked a similar question myself. Its difficult to find such a program *just* for drawing schematics without having to pay for PCB board layouts and such. However, Ive found 2 that may do the trick:

'SKEM' - a public domain program. Quite good but crude. I got it at a hamfest some years ago from a software booth. Very easy to draw schematics, but quite difficult to make corrections. For simple stuff,

it may be OK.

'SchematiCAD' - very good. From SJM Technologies. They may have a website. Price was around \$25 US. Quite well done.

Wayne
VE3EFJ

Date: Wed, 08 Jul 1998 21:29:59 -0400
From: Wayne Montague <montaw@tdbank.ca>
To: qrp-l@Lehigh.EDU
Subject: [14693] SchematiCAD
Message-ID: <35A41D17.1A11@tdbank.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For those interested, you can download the demo from:

www.mindspring.com/~sjmtech/schemfaq.htm

its about 777K in ZIP format

The demo will allow you to do everything but save your drawing.

(No financial interest here, just a happy user)

Wayne
VE3EFJ

Date: Wed, 8 Jul 1998 20:30:36 cdt
From: wj5o@juno.com (William H. Hays)
To: QRP-L@Lehigh.EDU
Subject: [14694] drawing schematics
Message-ID: <19980708.203038.15550.0.WJ50@juno.com>

Someone asked-----simple & works for me. Bill WJ50

FlowDraw Plus v1.0

Draw flowcharts &
schematics

<http://hotfiles.zdnet.com/cgi-bin/taxis/swlib/hotfiles/search.html>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 08 Jul 1998 21:44:39 EDT
From: ke3fl@juno.com
To: qrp-l@Lehigh.EDU
Subject: [14695] SG-2020, responce
Message-ID: <19980708.214526.4671.2.ke3fl@juno.com>

Thanks to those who responded with information. To those of you who asked if I was out of the country, or similar... I've changed jobs and while I still receive the QRP-L stuff, I have only been able to read one or two in the last four months. Some of us have things which must be done & we don't have enough time for even that. I have fallen into that catagory. If you cant respond with usefull information, kindly keep your useless comments to your self. Thanks.

72 & 73 de KE3FL
Phil K
ke3fl@juno.com
www.qsl.net/ke3fl

Anyone can buy a radio, an antenna, microphone, plug it in the wall and talk, but a real ham can take two pieces of wire and beat them together, and send a message when the going gets tough.

Talk is cheap, real hams beep.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 8 Jul 1998 21:15:14 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-1@Lehigh.EDU
Subject: [14696] Fish Story or No
Message-ID: <199807090215.VAA14493@ns1.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang
don't know much about taking commercial power but I helped a friend of mine
put down new radials for an am station and the pattern was skewed a bit...
come to find out an oilfield supply company had a tower about a half wave
length away and about the right height... go figure
joel, displaced cajun, in maine

God Bless
Joel

WA5CVM	Gentlemen don't Cry, They QSY :-)
Joel Denison	Gentle Lady (RC Sail Plane)(049 engine - start)
PO BOX 542	3 element Yagi on 40mtr
Strong, Maine 04983	QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
jdenison@morelr.com	AK/QRP 109

Date: Wed, 8 Jul 1998 19:08:29 -0700
From: enboe@juno.com (Eric N Boe)
To: qrp-1@Lehigh.EDU
Subject: [14697] Index Labs QRP+ FS \$400
Message-ID: <19980708.190848.13046.0.enboe@juno.com>

I have an Index Labs QRP+ (1100 series serial number) with manual, power
cord, mike & old firmware EEPROM for sale - asking \$400. Please reply
via email to enboe@juno.com.

Eric Boe (K0AVW)

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 8 Jul 1998 19:25:48 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: "Hulbert, Nick" <nick.hulbert@lmco.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14698] RE: N/T+ AM
Message-ID: <Pine.SOL.3.96.980708192542.1455C-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Nick

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 08 Jul 1998 22:33:01 -0400
From: macstein@cftnet.com (Mac Steinmeyer)
To: qrp-l@Lehigh.EDU
Subject: [14699] re: SIMPLE ANTENNA NITE
Message-ID: <199807090237.WAA09540@renoir.cftnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>For the Month of JULY ONLY:
>NITE: Wednesday evening (Thurs AM utc time)
>TIME: 0100-0200 utc
>FREQ: 7.042 (plus or minus)
>FORMAT: Sprint type using CQ and a series of 3 V's (CQ VVV) I figure that will
>confound the uninformed and make it easy to identify ourselves
>REQUIREMENTS: CW QRP power levels and a simple antenna which would be a
>SLV or a HALF-WAVE END FED wire.
>EXCHANGE: RST/ STATE or PROV or COUNTRY PREFIX /ANT-TYPE (SLV or >HEF) / PWR

I'll be around 7.140 in the N/T section of the band. (Not finished with the
SW40+ for the General section!) Sorry I didn't get this out quicker.

CQ VVV KF4KSM - FL HEF 1w

-Mac-

73/72 KF4KSM Grid Sq: EL88rd
email: macstein@cftnet.com

Date: Wed, 8 Jul 1998 23:01:37 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [14700] SIMPLE ANT. NITE COMMENTS
Message-ID: <d696ffaf.35a43292@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Well folks,
The noise level here in Western Washington at my local was S3-S5 the whole time. I did hear many *CQ VVV* but could not make out the calls but it did sound like several of you made contact. Even my DOUBLE ZEPP I put on at the end did not help with the noise level here (nor did all the filters).

It was not the best of conditions but at least some of the old antennas got a dusting off for next week. I will be interested to hear from those who participated and if anyone heard my *cry into the wilderness*.

de Alan KB7MBI

Date: Wed, 08 Jul 1998 23:14:42 -0400
From: macstein@cftnet.com (Mac Steinmeyer)
To: qrp-l@Lehigh.EDU
Subject: [14701] re: SIMPLE ANTENNA NITE
Message-ID: <199807090319.XAA10876@renoir.cftnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Sorry I got this a bit late but next time I will be there. Band was really bad
>with noise level at S5 here....
>
>Alan KB7MBI

No Problem Alan,

I hung around 7.140 and yes, it was very noisy. QRM/BCI (I heard Radio America, Washington DC sign off at abt 229!) HOWEVER, This was better than field day for me. I made nearly as many contacts in that hour as I did they whole field day.

I heard two others CQ "VVV"ing, A WB0something and I forget the other -- but I was having to fight off "friendly" normal qso's! I found myself ragchewing. The three V's really get attention!!!

BTW, I just threw up a HEF into my oak tree and heard calls from all over. 8's and 9's were stronger than with my attic dipole oriented NW/SE. Rig is a NorCal 40a at abt 1.2 watts into a ZM-2. The wire heads straight out my garage window and sloping/vertically up the tree. Counterpoise was a 1/4 wave wire strung under the vehicles in the garage. I gotta try a loop.

This was a wonderful idea, Alan. Thanks.

-Mac-

73/72 KF4KSM Grid Sq: EL88rd
email: macstein@cftnet.com

Date: Wed, 08 Jul 1998 20:20:17 -0700
From: Dave Willey <dave@cds1.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [14702] poker chips for keyers
Message-ID: <35A436F1.F20@cds1.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>Date: Wed, 8 Jul 1998 02:31:18 EDT
>From: DYARNES@aol.com
>To: qrp-l@Lehigh.EDU
>Subject: Re: Guitar Picks for keyers

>I've also used poker chips. They work pretty good, depending on what kind you
>can scrounge up.

>72 de David W7AQK

I like the \$1,000 to \$10,000 poker chips myself.....

(Sorry, I couldn't help myself)

--

To send a reply please remove "NOJUNKMAIL" from the return address,
and replace "AT" with "@"

Dave Willey

e-mail: dave AT cds1.net

amateur e-mail: kd6kwm AT cds1.net

amateur packet: KD6KWM@KD6KWM.#NCA.CA.USA.NOAM

--

QRP-L #1567

Date: Wed, 08 Jul 1998 22:33:33 -0500

From: "George T. Baker" <w5yr@swbell.net>

To: STEW_W@compuserve.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [14703] Re: Fish Story or Know

Message-ID: <35A43A0D.78408FA0@swbell.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Don't knock fluorescent tubes on antennas as tuning aids!

As a youngster about 16 or 17, living on the family farm, I had a 260 ft longwire antenna running from a 20' "tower" at the shack to a 20' gasoline sign post at a store along side the nearby highway. At the sign end of the wire I taped a 4' lamp to the wire - capacitive coupling only.

I would tune the antenna on various bands by adjusting the tuner for max lamp brightness. This was at night - during the day, I tuned by the size of the arcs I would draw off the tuner tank!

Don't know about TVI since we didn't have TV to begin with in those days. But that blinking light apparently suspended in space sure shook up a lot of drinking drivers in the wee hours of the morning as they came down the road returning from a nearby beer joint!

Worked a lot of good DX on 40 and 20 even with only 20' of antenna height (at the ends). Maybe the added radiation from the lamp made the difference.

Stew, I particularly enjoyed that part about sweeping up _inside_ the vacuum tubes!

--

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Stewart Whitehouse wrote:

>
> Hi folks.
> This reminds me of my old Navy days when I was stationed
> in a famous national park in Maine.
>
> The farmers around the submarine broadcast facility in Cutler
> would light their barns by tapping into their barbed wire fences.
> Boy their barns must have blinked at about 18 wpm!
>
> As I recall the transmitter ran MEGA watts on 17KHZ, and
> submarines around the world could copy the broadcasts while
> submerged! Maintenance included changing elements, and sweeping
> up, in the vacuum tubes.
>
> Also remember a certain club station in Pensacola that had a
> florescent light tube taped to a 20 meter dipole; talk about TVI!
>
> Have fun all
> 72
> Stew KE4YH
> Dunedin, Florida
> EL88oa

Date: Wed, 08 Jul 1998 22:56:14 -0500
From: Steve Yates <aa5tb@swbell.net>
To: QRP-L Distribute <qrp-l@Lehigh.EDU>
Subject: [14704] New Altoids
Message-ID: <35A43F5E.3005FCEF@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I know everyone may have heard enough about the Altoids tins and this maybe old hat but those who enjoy putting rigs in them may find this interesting.

My wife purchased for me today a new flavor of Altoids. They are wintergreen flavored and are in a green, white and silver QRP enclosure. She purchased them at Stop-N-Go here in Fort Worth. I like the insides better too.

I have also emptied a large container of the regular Altoids called "The BIG Tin" which was purchased at Target a few months ago. It measures 8" X 4 1/4" X 1 1/8", lots of room for a transceiver. I got the guys at work addicted to these things so it's not hard to empty a box so that I can build something in it.

73,
Steve
AA5TB

Date: Wed, 8 Jul 1998 21:12:59 -0700
From: bill@WILLAPABAY.ORG (Bill Todd)
To: nwq-1@scn.org
Cc: qrp-1@Lehigh.EDU
Subject: [14705] 75 meter NW QRP SSB Net
Message-ID: <199807090412.VAA28939@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello QRPers -

Stan, K7SY has been holding a NorthWest QRP SSB Net for all QRPers just about every week day evening - except Mondays - at 6:30 PM (PDT) on 3910 kHz. We have not publicized this all that much, but decided that it was about time that we let the cat out of the shack (errr, bag). I understand that he is getting check-ins from all over Washington state.

You are welcome to join any of our NW QRP Club Nets!
Here is the current listing:

Monday eve - 6:00 PM (PDT) CW net on 10.121-123 (depending on QRM)
W7DFO - NCS

Monday eve - 6:30 PM (PDT) CW net on 3710

N7MFB - NCS

Tue-Fri evenings - 6:30 PM PDT SSB Net on 3910
K7SY - NCS

Sat morning - 7:30 AM (PDT) net on 3710
N7MFB - NCS

73's -
Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ me at 8926298

Date: Thu, 9 Jul 1998 00:14:53 -0700
From: Conrad <radman@best.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14706] RS Analog Special ... \$19.95
Message-ID: <01BDAAACE.99829A20.radman@best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

If you're in the market for a LARGE Auto-Range Analog Test Meter... our friends at Radio Shack have discontinued the Model # 22-216 for a mere \$19.95. Features:

Auto-Ranging of DC Volts 300mv-1000 VAC or VDC
Auto-Ranging of Ohms (5 scales) with LED indicator for scale you're on.
Current scales: AC and DC - 2 scales: 300 ma and 3 amps
Batt Test scale (measures the 4 internal "AA" alkaline batts)
Accuracy (claimed): +/- 3% of full scale

Bottom line: if you love analog and need a bench-top test meter to monitor voltage or current trends... this seems like a very good buy. The 300ma and 3A current scales make it well-suited for QRP transceiver work. It doesn't have the beefy feel of an old Simpson VOM but, it's a lot of meter/functions for little money.

Standard disclaimer...

72 - Conrad Weiss - NN6CW

Date: Thu, 09 Jul 1998 11:18:53 +0200
From: Thomas Roth <th.roth@apc.de>
To: qrp-l@Lehigh.EDU
Subject: [14707] Indoor Antenna
Message-ID: <3.0.32.19980709111811.006ae978@apc.de>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hi all,

something that s been bothering me for a while... Couple of years ago I used a 20m long Windom as my only Antenna, hung up just under the roof. It worked ok on 40, 20, 10 and with a bit of tuning on 15 and 30 as well. Always used to think, poor me, until one day I cracked a pile-up with 3 watts and worked VP2MI with my Century 22 and said indoor antenna. Now I m in the same situation again, just hung up the wire a few days ago, the rig is to arrive in a few weeks and I m wondering. My attic is not very large and the shape of the antenna looks kind of Z-like. I m having good reception from all directions, N/S + E/W, so no problem there. I m just wondering what sort of radiation pattern I ll end up with once I start transmitting. Then, we always talk about the importance of the height of our antennas. I m wondering what does my antenna see as the ground ? The actual ground, in which case it would be about 25/30m up, or the floor of the attic, that would put it up about 4m ??? Simple logic would seem to answer my question, but then..... Hope some of you antenna-gurus will provide me with a few clues.

vy 72/73 de Thomas, DL40BN

AK-QRP #413
G-QRP #5672
QRP-L #1621

Date: Thu, 09 Jul 1998 07:34:10 -0400

From: mikemo@ibm.net
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14708] Re: SIMPLE ANT. NITE COMMENTS
Message-ID: <35A4AAB2.172C@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ARDUJENSKI@aol.com wrote:

>
> Well folks,
> The noise level here in Western Washington at my local was S3-S5 the whole
> time. I did hear many *CQ VVV* but could not make out the calls but it did
> sound like several of you made contact. Even my DOUBLE ZEPP I put on at the
> end did not help with the noise level here (nor did all the filters).

Well, my antenna didn't fit the mold (Hamstick vertical on a push up pole). My dipole is down while I try to add slinkys to the ends to load on 80. Anyway I didn't hear you (never do here in florida). I did hear several stations. Somthing funny did happen. I was listning to K0EVZ calling CQVVV CQVVV. He was whisper quiet and just above the noise. I had the AGC off and the volume way up. Then all of a sudden, boom! I thought W4STX was going to blow my eardrums out. Scared the heck out of me. I looked up in the call book and W4STX is less than 5 miles from my house. I'm gonna have to leave that AGC on, my ears are still ringing ;-)

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

Date: Thu, 09 Jul 1998 07:52:23 -0400
From: "Laurent C. Lafond" <aa1qj@ids.net>
To: qrp-1@Lehigh.EDU
Subject: [14709] re: Screwdriver Antenna
Message-ID: <35A4AEF7.3D70@ids.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang -

Thanks to all who responded. It was overwhelming.

72,
Laurent

Date: Thu, 09 Jul 1998 08:07:48 -0400
From: Paul Helbert <phelbert@rica.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14710] Simple antennas
Message-ID: <35A4B294.458B2D65@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ah shucks, I assumed SLV was "Shunt Loaded Vertical."

Well you know what they say about that verb: ass-u-me!

Paul, Wv3j

Date: Thu, 09 Jul 1998 05:46:02 -0700
From: David Shalita <af389@lafn.org>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Cc: "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>
Subject: [14711] Digital Camera
Message-ID: <35A4BB8A.3D2B68F1@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I need to make closeup color photos of my QRP-L and Homebrew projects.
What to see small construction details and small parts well focused.
Also need to make photos showing Scope waveforms.

What digital cameras are you folks successfully using that
can do both normal people places photos and also
make scope and pcboard photo?

I just bought used and returned a Vivitar ViviCam 3000 camera.
On sale for \$200 at FRY's Los Angeles.
Absolutely unable to focus shorter than 4 feet
from object. Scope waveforms bloomed pure white hiding all details.

Thanks for any hints, brand names, models, discount stores that sell best deals.

73, W6MIK

--

David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Thu, 9 Jul 1998 08:10:05 +0500 (GMT-5)
From: Jim Osburn <wd9eyb@butler.indiana.net>
To: qrp-l@Lehigh.EDU
Cc: KB9RPD@aol.com (Ted), hartzler@abcs.com (Wayne), k9ere@hotmail.com (Gary),
WTHI99C@prodigy.com (Jeff), carpentt@citrine.indstate.edu (Todd),
n9ta@bluemarble.net (Fred), n9dd@aol.com (Tom), allandavis@mindspring.com
(Allan), w9ya@amsat.org (Bob), weber@accenttech.com (Rick),
Subject: [14712] INQRP Indiana QRP At Indy
Message-ID: <199807090310.IAA15268@butler.indiana.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

The Indiana QRP Club is gathering at the Indianapolis Hamfest this Saturday.
That's Saturday, July 11, 1998 at the Marion County Fairgrounds.
For more information on the Indianapolis Hamfest go to the following URL.

<http://www.indyhamfest.com>

The Indiana QRP Club will be at table 64 in building 2.

There are 6 buildings, the commercial exhibits (air-conditioned), the main building with the ticket barrel (really hot), the two adjacent table buildings (not so bad), the forums building (air-conditioned), and the other table building (not so bad). At least that's what I remember from last year. It can vary with other buildings open instead of the these, but we can adapt. I think building 2, the one Indiana QRP is in, is one of the two adjacent table buildings. Ted, KB9RPD, reserved the table for us. I think Ted is bringing a banner to make the table easy to spot.

Of course there is the outside flea market too. Wear sun block and/or a big hat. I don't think there are any storms in the forecast but it will probably be hot. Drink plenty of water. Despite the heat at the Indy Hamfest it's been one of my favorite for about 20 years. It's a

good hamfest.

The Indiana QRP Club is about 15 guys that have been communicating via email on getting our club going. At the table at the hamfest we'll have some QRP goodies brought by some of us for show-and-tell. We're also bringing some books for people to peruse and we'll have handouts. Rick, W9QZ, has prepared a flyer and questionnaire, and Wayne, AA9SP, has gotten some T-kit catalogs. Rick, W9QZ, has also prepared a spiffy logo for the Indiana QRP Club which can be viewed at the following URL.

<http://www.accenttech.com/qrp>

At the hamfest we hope to meet each other in person and find out who we are. Warning: I'm ugly. We also hope to stir up more interest in QRP and the Indiana QRP Club. And we hope to get our club organized. I'm in favor of an informal group ala Norcal. And we hope to have fun.

After the hamfest we're heading to a local pizzeria to talk more QRP and to have even more fun. Details of where will be available at the table. I'm not from Indy so I will need to get directions too.

So how long has the Indiana QRP Club been around? Longer than you think. Last year Bob, W9YA, applied for and got the WQ9RP call as the Indiana QRP Club. The call has been on the air and I hope will be again. Since Bob anticipated us all by about a year he is member number 001. Bob is a part of what we have been doing but will be unable to attend the hamfest.

All of this is very exciting to me. I've always been kind of envious of those guys that had QRP clubs to participate in. Now I've got one too.

Jim, WD9EYB
wd9eyb@qrp.com

Date: Thu, 9 Jul 1998 09:12:59 -0400
From: Art Marshall <artm@t-com.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [14713] FW: Fish Story or Know
Message-ID: <01BDAB19.C5310C60@PC-ART.t-com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Actually, in the 50's I used a Heathkit AC-1 antenna coupler which had =

a neon bulb mounted in the front panel for tuning. Had another soldered =
to the antenna wire from the AC-1 tuner, that one was for effect. still =
have that station today. =

<http://www.vistech.net/users/w1fji/realpage.html>

page down to w1fji's museum later, ooops 73's art w1fji

-----Original Message-----

From: George T. Baker [SMTP:w5yr@swbell.net]

Sent: Wednesday, July 08, 1998 11:34 PM

To: Low Power Amateur Radio Discussion

Subject: Re: Fish Story or Know

Don't knock fluorescent tubes on antennas as tuning aids!

As a youngster about 16 or 17, living on the family farm, I had a 260 ft
longwire antenna running from a 20' "tower" at the shack to a 20'
gasoline sign post at a store along side the nearby highway. At the sign
end of the wire I taped a 4' lamp to the wire - capacitive coupling
only.=20

I would tune the antenna on various bands by adjusting the tuner for max
lamp brightness. This was at night - during the day, I tuned by the size
of the arcs I would draw off the tuner tank!

Don't know about TVI since we didn't have TV to begin with in those
days. But that blinking light apparently suspended in space sure shook
up a lot of drinking drivers in the wee hours of the morning as they
came down the road returning from a nearby beer joint!

Worked a lot of good DX on 40 and 20 even with only 20' of antenna
height (at the ends). Maybe the added radiation from the lamp made the
difference.

Stew, I particularly enjoyed that part about sweeping up _inside_ the
vacuum tubes!

--

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Stewart Whitehouse wrote:

>=20

> Hi folks.

> This reminds me of my old Navy days when I was stationed

> in a famous national park in Maine.
>=20
> The farmers around the submarine broadcast facility in Cutler
> would light their barns by tapping into their barbed wire fences.
> Boy their barns must have blinked at about 18 wpm!
>=20
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> submarines around the world could copy the broadcasts while
> submerged! Maintenance included changing elements, and sweeping
> up, in the vacuum tubes.
>=20
> Also remember a certain club station in Pensacola that had a
> florescent light tube taped to a 20 meter dipole; talk about TVI!
>=20
> Have fun all
> 72
> Stew KE4YH
> Dunedin, Florida
> EL88oa

Date: Thu, 09 Jul 1998 09:19:24 -0400
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [14714] Delta Info update
Message-ID: <35A4C35C.A8E95B59@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all that provided comments and suggestions to my post yesterday on my vertical delta loop. I am enjoying all the antenna discussions. Both Vic, K2VCO and Alan, KB7MBI suggested that I use a piece of foil around my window line and slide it around until I could tune all my bands. Well I tried it and it worked. I can now get less than 1.2 on 40, 20, 15, and 10. 80 does not tune but that's OK for this time of the year.

My question is how or why does this work? It seems a little too good to be true. Am I loosing some power or antenna efficiency? I would like to know.

As far as my experiments with the loop, they are on hold. I keep reading L. B. Cebik's page "Notes on All-Band Use of Vertical-Plane Deltas" and I concluded that my time would be better spent on a more

permanent set up. The plan is to put up a 105 ft dipole, center fed with window line at about 45 to 50 ft high. It will have 10 ft drooping ends. I want to see if the higher height will lower the QRN on the high bands due to the lower elevation angles. I also hope to get better low band performance because it will be up above the house and not stuck between houses like the loop. I need to order the wire and ladder line and eliminate the wasp nest this weekend. I think the wasps like the stuff I am using. The nests gets bigger the more I spray. I do not want to be on the roof stringing wire with those guys around.

Ed Kwik KC8JIE qrp-l# 1444 Waterford, MI

Date: Thu, 9 Jul 1998 09:24:53 -0400
From: John McKee <JMckee@RFMD.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [14715] Linear Loading
Message-ID:
<c=US%a=_%p=RF_Micro_Devices%l=PACHACUTEC-980709132453Z-7086@proxy1.rfmd.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello Gang,

Has anyone out there ever built a rotatable dipole or small yagi using linear loading to shorten the element length? I'm looking for information I can use to design a short rotatable dipole for 30 meters.

73

John McKee
WB4OFT
jmckee@rfmd.com

Date: Thu, 9 Jul 1998 09:34:50 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: WUOL@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14716] Re: Prog. for Drawing Schematics
Message-ID: <Pine.GS0.3.96.980709093146.17158A-100000@moe.cas.utk.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Not an ad for TurboCAD, but I have used v. 4 and have V5 on hold for the learning curve. The electronics symbols library runs into >1000 and maybe much more than that. The samples library that comes with low end version may not have many, but the top end version has more electronics symbols than any other kind. However, for simple schematics, it may be overkill, unless you also do other kinds of technical illustrations.

-73-

LB, W4RNL

Date: Thu, 9 Jul 1998 09:36:50 EDT
From: Davewb4@aol.com
To: qrp-1@Lehigh.EDU
Subject: [14717] MRF 477 Transistor
Message-ID: <41a9581c.35a4c773@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello Gang:
Does anyone have a source for MRF477 Transistors? I need a pair for a new rig i am considering.

Dave Rogers
WB4CHK
DAVEWB4@AOL.COM

Date: Thu, 09 Jul 1998 08:57:28 -0500
From: plundy@max.state.ia.us (Paul Lundy)
To: af389@lafn.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14718] Re: Digital Camera
Message-ID: <35A4CC47.9BD00A82@max.state.ia.us>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You might try a "pinhole" lens like we use for model railroad photography. Generally you can make a pinhole adaptor for an existing lens (in the 44 mm range). The punhole increases your depth of field and allows some really neat clos-ups without killing the details. Good luck es 72/73 Paul, K0LKH

David Shalita wrote:

> Hi,
>
> I need to make closeup color photos of my QRP-L and Homebrew projects.
> What to see small construction details and small parts well focused.
> Also need to make photos showing Scope waveforms.
>
> What digital cameras are you folks successfully using that
> can do both normal people places photos and also
> make scope and pcboard photo?
>
> I just bought used and returned a Vivitar ViviCam 3000 camera.
> On sale for \$200 at FRY's Los Angeles.
> Absolutely unable to focus shorter than 4 feet
> from object. Scope waveforms bloomed pure white hiding all details.
>
> Thanks for any hints, brand names, models, discount stores that sell best
> deals.
>
> 73, W6MIK
> --
> David Shalita (Dave)
> af389@lafn.org
> Van Nuys, CA

Date: Thu, 9 Jul 1998 09:02:52 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: qrp-l@Lehigh.EDU
Subject: [14719] Attachments
Message-ID: <9807091403.AA10846@uahis1.uah.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT

I have NEVER properly received an attachment from this list. This may

be because I get the digest. At best, they just don't show up. Often attachments and HTML show up as huge masses of garbage that just take up space and waste bandwidth (much like the huge signatures appended to the end of messages that some hams send over and over and over and over....).

Also, please remember that many subscribers use Juno or similar services. These services don't support attachments and limit message sizes. Anything other than straight text will not be received by everyone.

Quite often, items sent as attachments are already available on the web; just send the address for the page. Please just stick with text on the list.

And please shorten the signatures. Everyone's already memorized the quotes, heard the jokes so often they're not funny, and can't see the text graphics as anything but garbage because they're using a different font.

73 Bryan W8LN

Date: Thu, 09 Jul 1998 10:08:54 EDT
From: haf47@juno.com (Howard Friedman)
To: JMcKee@RFMD.com
Cc: qrp-1@Lehigh.EDU
Subject: [14720] Re: Linear Loading
Message-ID: <19980709.100857.4887.3.HAF47@juno.com>

Hi John, A fellow named Jim Lawson did tremendous work in that field. I believe the book may have been called simply "Yagi Antennas", but can't remember for sure. His call was W2PV.

I believe his book is still available from the ARRL.

Jim worked at Corporate Research and Development of the General Electric Co. in Niskayuna, NY, and his home in Niskayuna, on the Schenectady border was famous in our area, and around the world. Jim was a famous DX'er and ran 5 or 6 Signal One transceivers at a time. He felt it wasn't fair to compete with other local hams as his antennas were clearly superior, so he would invite some of these local fellows to join him using the same radio and antennas to keep things "fair".

The Signal One transceiver was one of the best HF amateur radios ever produced, and was quite popular in the 1970's. If I remember correctly, it cost about \$1800 when new.

His antennas included full size 40 beams on 200 ft. rotatable towers, plus others too numerous to mention. On his work with the Yagi-Uda antenna, Mr. Yagi who co-invented it said that Lawson gave this device a level of efficiency far beyond anything he had dreamed of. Much of Lawsons work is evident in some commercially produced amateur beam antennas today, such as those "real expensive" ones that many long for. You get what you pay for.

After his death, his antennas and towers were purchased by his good friend Fred Las, K2TR, Chief Engineer of WRGB-TV, Schenectady. Fred remains as one of the great DX'ers of the world in achievement.

Anyway, if you can't find a copy or more info on this book, please write and I will get the info for you. My local library still has a copy on the shelves.

73, Howard

WA2AFD
haf47@juno.com

On Thu, 9 Jul 1998 09:24:53 -0400 John McKee <JMckee@RFMD.com> writes:

>Hello Gang,

>

>Has anyone out there ever built a rotatable dipole or small yagi
>using linear loading to shorten the element length? I'm looking
>for information I can use to design a short rotatable dipole for
>30 meters.

>

>73

>

>John McKee

>WB40FT

>jmckee@rfmd.com

>

>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 09 Jul 1998 10:18:16 -0400

From: Michael Maiorana <mikemo@ibm.net>
To: JMcKee@RFMD.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14721] Re: Linear Loading
Message-ID: <35A4D128.4673FEF@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John McKee wrote:

> Has anyone out there ever built a rotatable dipole or small yagi
> using linear loading to shorten the element length? I'm looking
> for information I can use to design a short rotatable dipole for
> 30 meters.

John,

You can pick up a pair of 30 meter hamsticks (or Pro-Am valor) loaded
verticals and get a dipole adapter. Should cost less than \$50 and will
be 16 feet side to side. You may be able to build the 1/4 wave portions
cheaper but with the mounting hardware, I doubt it (unless you are a
machinist). I've seen these new at hamfests for \$17.

Date: Thu, 9 Jul 1998 07:26:21 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Howard Friedman <haf47@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14722] Re: Linear Loading
Message-ID: <Pine.BSI.3.96.980709072504.28732A-1000000@usr05.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 9 Jul 1998, Howard Friedman wrote:

> Hi John, A fellow named Jim Lawson did tremendous work in that field. I
> believe the book may have been called simply "Yagi Antennas", but can't
> remember for sure. His call was W2PV.
>
> I believe his book is still available from the ARRL.
>
> .
> .
>
> Anyway, if you can't find a copy or more info on this book, please write
> and I will get the info for you. My local library still has a copy on the
> shelves.

There are a number of copies available in the used book circuits on the internet.

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Thu, 9 Jul 1998 09:26:06 cdt
From: wj5o@juno.com (William H. Hays)
To: QRP-L@Lehigh.EDU
Subject: [14723] re: fish story
Message-ID: <19980709.092607.11454.1.WJ50@juno.com>

I forgot the original connection on the antenna thread that eluded to "FISH" but I will describe how I see it.

Many years ago I spent a tour of duty with the Air Rescue Service in the Arctic.

The 500 foot "Trailing wire" antenna had a weight on the end that was called a "FISH". The radio operator normally used a scale marked on the winding spool to determine the "right" length to extend the antenna.

Our radio operator had a small fluorescent bulb (abt lemon size) that He would place next to the antenna wire as He let the "fish" pull the wire from the spool. As this was happening He held His key down . When the

bulb glowed the brightest, He would stop the spool and make the radio transmission.

One of the tuffest jobs of an Airborne Radio Operator was to replace the fish and trailing wire antenna after it was inadvertently left extended & broken off when the aircraft landed. Also, it was common, for the wire to become so encrusted with ice that the little spool motor would not retrieve it. When this happened, the wire was clipped at the spool before landing. A person could almost see the Radio Operator shed a tear. HI!

72/73 Bill WJ50

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 9 Jul 1998 09:29:07 -0500 (CDT)
From: jduffy1@ix.netcom.com
To: qrp-l@Lehigh.EDU
Subject: [14724] Outbacker Antenna
Message-ID: <199879102740541@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I bought the Perth Plus and the Outpost mounting system from HRO in Virginia about four weeks ago. Wanted something easy and convenient to set up so I could use ham radio while sitting on the patio in the backyard. Anyway, I have been using it with the MFJ 20 meter travel radio running off of a 12 volt gel cell. It has performed way beyond my expectations. During Field Day, I made over 70 voice contacts with that set up. Snagged about 20 states. I only worked about six hours of the contest. Last weekend a 12 year old son of a friend was over for the Forth and he has been interested in ham radio. I put the set up together in a few minutes. We worked California, Croatia, and France. The antenna is great, the little MFJ is great and that Outpost mounting system is the easiest thing to set up. Yeah, it is expensive, but for how it performs, it is well worth the money in my mind. I have some pictures of the set up if anyone is interested.

Regards,

Duffy - WB8NUT

Date: Thu, 09 Jul 1998 09:37:04 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: turnerw@email.uah.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14725] Re: Attachments
Message-ID: <35A4D590.5A24FFD@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

1. QRP-L already forbids attachments.
2. Common reflector usage/courtesy suggests 4 or fewer sig file lines.

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Bryan Turner wrote:

>
> I have NEVER properly received an attachment from this list. This may
> be because I get the digest. At best, they just don't show up. Often
> attachments and HTML show up as huges masses of garbage that
> just take up space and wastes bandwidth (much like the huge signatures
> appended to the end of messages that some hams send over and over
> and over and over....).

Date: Thu, 9 Jul 1998 09:34:27 -0500
From: applitech@mcg.net (Claton Cadmus)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [14726] Re: N/T+ AM
Message-ID: <004c01bdab48\$a600b0a0\$a10a5e2c@groucho>

I think the real reason Novices were not given AM privileges on 10 was because of the bandwidth of an AM signal.

My 2 cents.

73 de KA0GKC Claton Cadmus
cla@mcg.net
MNQRP #1
Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Thu, 09 Jul 1998 09:52:08 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: th.roth@apc.de
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14727] Re: Indoor Antenna
Message-ID: <35A4D918.7EA43CA3@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I would hazard the guess that you can just about forget about directivity effects with your zig-zag attic antenna. It will get out well enough to work many stations, so use it and enjoy.

Most horizontal antennas even in clear surroundings do not begin to approach textbook, free-space patterns until they are at least 1/2 wavelength above actual ground, not underlying non-metallic structures. Any significant metal below the antenna will affect its elevation pattern, of course.

I have an attic full of full-size parallel-fed dipoles from 80 through 30 for a spare system and they work remarkably well. But the outside antennas work so much better! And demonstrate pattern effects that are largely missing with the inside jobs.

--
72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Thomas Roth wrote:

>
> Hi all,
>
> something that s been bothering me for a while... Couple of years ago I
> used a 20m long Windom as my only Antenna, hung up just under the roof. It
> worked ok on 40, 20, 10 and with a bit of tuning on 15 and 30 as well.
> Always used to think, poor me, until one day I cracked a pile-up with 3
> watts and worked VP2MI with my Century 22 and said indoor antenna. Now I m

> in the same situation again, just hung up the wire a few days ago, the rig
> is to arrive in a few weeks and I m wondering. My attic is not very large
> and the shape of the antenna looks kind of Z-like. I m having good
> reception from all directions, N/S + E/W, so no problem there. I m just
> wondering what sort of radiation pattern I ll end up with once I start
> transmitting. Then, we always talk about the importance of the height of
> our antennas. I m wondering what does my antenna see as the ground ? The
> actual ground, in which case it would be about 25/30m up, or the floor of
> the attic, that would put it up about 4m ??? Simple logic would seem to
> answer my question, but then..... Hope some of you antenna-gurus will
> provide me with a few clues.
>
> vy 72/73 de Thomas, DL40BN
>
> AK-QRP #413
> G-QRP #5672
> QRP-L #1621

Date: Thu, 9 Jul 1998 10:54:15 -0400 (EDT)
From: Bruce Muscolino <w6toy@erols.com>
To: af389@lafn.org
Cc: QRP-L@Lehigh.EDU
Subject: [14728] Re: Digital Camera
Message-ID: <2.2.16.19980709104541.222f7b46@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>I just bought used and returned a Vivitar ViviCam 3000 camera.
>
David and gang,

There are some viable alternatives to buying a digital camera. Digital cameras come in three flavors, the low end which are just point and shoot cameras; the mid range like the high end Sony Mavica with exceptional zoom ranges, and the high end professional cameras that start at about 20K. The question is what do you want a digital camera for? To make digital images? Well, try this -- take your 35mm camera and a roll of Kodak Max color print film and take your pictures. Take the film to any one hour or Thrifty Drug store and have the film processed. Be sure you ask for the Kodak Picture Disk. It costs about \$8.00. You will get your negatives, your prints, and a diskette with JPEG images of all of your pictures. Your 35mm camera (or your friends) is the most highly developed photographic instrument in existence. If you don't have a macro lens you can buy close up lenses for a few dollars and get there that way. If you don't like Kodak, Seattle

Filmworks in, go figure, Seattle, offers the same service using movie film ends.

73

Date: Thu, 9 Jul 1998 10:54:18 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Thomas Roth <th.roth@apc.de>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14729] Re: Indoor Antenna
Message-ID: <Pine.GS0.3.96.980709104735.25497A-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thomas,

If the floor of your attic is transparent to RF--which is almost might be if made out of wood, then the ground relative to the antenna will be the earth. At a distance, the ground will also be the earth, since refelctions will occur at a distance from the antenna itself.

If the floor is a grid of metal, then you might have some problems. A sheet of metallic foil would be just as bad. It would detune the antenna, provide a reflective plane under the wire, and generally change the want the antenna operated--but notice that I am not saying necessarily for the worse--only different. Lots of time it is worse, but, if the attic is all one can use, then use it.

Attics have lots of potential problems, like house wiring, metal or spiral wired heat/air ducts, telephone wires, foil-backed insulation, etc. Some folks prefer hidden outdoor antennas above the roof, but undetectable. But proximity to all those hidden problems may not make too mucgh of an improvement.

And all that potentially problemmatical stuff can affect the effective height of the antenna above local ground. If you notice that this hedges and avoids being definitie, it is because the variety of attic condicitons make any set of absolutes wrong for some folks.

-73-

LB, W4RNL

Date: Thu, 9 Jul 1998 11:03:05 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU
Subject: [14730] START PLANNING NOW...
Message-ID: <76eb5851.35a4dbab@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

For the finale to SIMPLE ANTENNA NITE (running the month of July on Wed nites) on 29 July (30 July UTC) it will be RESTRICTED SPACE ANTENNA NITE. You can use any antenna as long as it is inside your dwelling. Commercial antennas or homebrew. Apartment dwellers and those frequenting hotels face this challenge routinely. Here is an opportunity for us to find out what works well under these conditions. I think some of you may be pleasantly surprised.

I am giving you plenty of advance notice so get those thinking caps on and dust the antenna books off.

Alan KB7MBI

(Wish the dogs would quit chewing on the half wave snaked through the upstairs)

Date: Thu, 09 Jul 1998 10:06:58 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: JMcKee@RFMD.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14731] Re: Linear Loading
Message-ID: <35A4DC92.A5E93A82@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John, I cannot relate any esperience with linear loading, but the notion of a rotatable dipole is very sound.

Back in the early 70's I put up a shortened rotatable dipole on 40 meters about 52 feet high above my 204BA on 20. The antenna was only 23 feet from end to end, with 3' diameter spoke cap hats on each end and loading coils halfway out from the center on each side. Fed in the center to a small center loading coil with link coupling to coax.

Outstanding performance! Much better than any 40-meter wire I had used.

Nulls off the ends were very effective and dramatic. Don't laugh, but one evening using that antenna and an SB-220 on 7200, several stations on the East Coast reported that I was causing severe QRM to Radio Moscow!!

Unrelated, but another time on 20 with a 3-ele Yagi and the SB-220 I got on the Woodpecker's frequency, matched his keying rate with my keyer, and chased him up and down the band for about 5 minutes before he went QRT!

Point of all this: try to get your rotatable dipole going regardless of how you shorten it. They really work!

--

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

John McKee wrote:

>

> Hello Gang,

>

> Has anyone out there ever built a rotatable dipole or small yagi
> using linear loading to shorten the element length? I'm looking
> for information I can use to design a short rotatable dipole for
> 30 meters.

>

> 73

>

> John McKee

> WB4OFT

> jmckee@rfmd.com

-

Date: Thu, 9 Jul 1998 11:16:26 -0400 (EDT)

From: "Peter C. Wotherspoon" <Peter.C.Wotherspoon@hydro.on.ca>

To: qrp-l@Lehigh.EDU

Subject: [14732] ICOM and 2sk125 fet

Message-ID: <Pine.SUN.3.91.980709111513.2339A@strong.Hydro.ON.CA>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Can anyone tell me a replacement for this obsolete fet?

2 come out of the preamp of a ICOM 720A

Thanks
PEter
ve3gyy

Date: Thu, 9 Jul 1998 08:30:24 -0700 (PDT)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-1@Lehigh.EDU
Subject: [14733] NC20 and flak jackets
Message-ID: <199807091530.IAA00950@heracles.llnl.gov>

Its about two pro and two against, with the tie-breaker thrown down by
Chuck. Let's get back to radio.

Wasn't 20 hot last night? I worked mucho good stuff into EU...S51ZY was
kicking the meter at S9+. As was HC8N down Galapagos way. (Not QRP tho...after
all I don't have a NC20 yet)

73 and apologies where applicable

Allan K7GT

Date: Thu, 9 Jul 1998 11:36:27 -0700
From: "Brad Mitchell" <bmitchel@kodak.com>
To: <af389@lafn.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14734] Re: Digital Camera
Message-ID: <9807091540.AA29948@iiatasun.cba.Kodak.COM>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Take a look at the Embedded Research page.
"They" use kodak's dvc 323 (\$160) camera that is tethered to
any computer that has usb and is running win 95 B, or win 98.
It will focus to 5 inches, and has 640x480 (VGA) resolution.

BTW, I worked very closely on the design of this camera, and have
a vested interest, and Oh BTW, I have a vested interest in Embedded
Research too :-).

73 Brad WB8YGG

> From: David Shalita <af389@lafn.org>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Digital Camera
> Date: Thursday, July 09, 1998 5:46 AM
>
> Hi,
>
> I need to make closeup color photos of my QRP-L and Homebrew projects.
> What to see small construction details and small parts well focused.
> Also need to make photos showing Scope waveforms.
>
> What digital cameras are you folks successfully using that
> can do both normal people places photos and also
> make scope and pcboard photo?
>
> I just bought used and returned a Vivitar ViviCam 3000 camera.
> On sale for \$200 at FRY's Los Angeles.
> Absolutely unable to focus shorter than 4 feet
> from object. Scope waveforms bloomed pure white hiding all details.
>
> Thanks for any hints, brand names, models, discount stores that sell best
> deals.
>
> 73, W6MIK
> --
> David Shalita (Dave)
> af389@lafn.org
> Van Nuys, CA
>

Date: Thu, 09 Jul 1998 10:46:28 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: mikemo@ibm.net, qrp-l@Lehigh.EDU
Subject: [14735] Re:Woodpecker - was Linear Loading
Message-ID: <35A4E5D4.FA978857@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Woodpecker was (is?) a Russian Over-The-Horizon radar operated in those days mostly in the 20 meter band. Ran multi-megawatts of power. Rigs with "long pulse" noise blanker settings were designed to help combat the Woodpecker. It was really quite a feat to interact with him.

Guess I broke quite a few FCC regs, but chalk it up to the Cold War -
had to do my part, you know, combatting evil and injustice!

--

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Michael Maiorana wrote:
> George,
> Whats a Woodpecker????

Date: Thu, 09 Jul 1998 11:45:27 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [14736] 28 Mhz beacons
Message-ID: <19980709.154414.6471.3.n4so@juno.com>

Several beacons and W1AW active from East USA and Canada.
ve3ten 28.175 with it's cw modulated carrier 0400z-0500z/and again
1300z. Tune on low side to copy beacon.
4u1un 28.200 0400z 100w 10w and 1 w. // 1333z 100w 10w 1w and .1w
peaks s-4 sigs/100watts. If the signal is s-0 to s-4 I can copy all 4
power levels.
w1aw 28.067 0400z/1300z sending DX bulletin last night and code practice
nq2rp/b 28.287 with .1 watt 1300z s-0 but very clear copy
Transequatorial opening yesterday to YV, LU6.
>From very little to no CW activity from 28.000 tuning up.

KEN BROWN N4SO
QRP-L #622
Location nr Mobile, AL EM50tk
n4so@juno.com

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 9 Jul 1998 10:03:42 -0600 (MDT)
From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
To: qrp-1@Lehigh.EDU
Subject: [14737] Possible CB to 10 Meters Mod???
Message-ID: <Pine.OSF.3.91.980709095655.17433B-100000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Recently, a couple of people have been talking about getting a project going to modify a CB rig to 10 meters. Yesterday, I received my Tech America flyer with the "GE Help" CB HT listed for \$17.76, (yes, \$17.76) complete with mag mount antenna, power cord, and storage case. Max output is 4W. It's a 40 channel HT.

Does anyone know if these rigs could be converted easily to 10 meters?

Thanks.

Jim Rybak W0KSD

Date: Thu, 9 Jul 1998 11:12:06 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [14738] Mode A & B
Message-ID: <891-35A4EBD6-70@mailtod-122.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Could some one enlighten me as to the difference between Mode A and mode b cw ?

Larry Ac5ez
Qcwa

Date: Thu, 09 Jul 1998 18:26:44 +0200
From: Thomas Roth <th.roth@apc.de>
To: qrp-1@Lehigh.EDU
Subject: [14739] Indoor Antenna

Message-ID: <3.0.32.19980709182602.006851b4@apc.de>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

George, L.B. and others who are likely to answer,

thanks for the replies. I figured as much but, being the trial and error type, thought I might check it out with you guys. Alas, looks like I m confined to the occasional outing for trying out antennas under proper conditions. But then, isn t that part of the fun of QRP !?! What you re saying is true enough. However, I m still surprised at how well it works at times (with my indoor contraption I mean). TNX AGN

72 s de Thomas, DL40BN

Date: Thu, 9 Jul 1998 11:29:02 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <ac5ez@webtv.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [14740] RE: Mode A & B
Message-ID: <19980709162905013.AAA354@muenzlerk>

If you are referring to satelllite communications this is mode a/b
Mode A - 2-meters uplink, 10-meters downlink
Mode B - 70cm uplink, 2-meters downlink

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Larry B
> Sent: Thursday, July 09, 1998 11:12 AM
> To: Low Power Amateur Radio Discussion
> Subject: Mode A & B
>
>
> Could some one enlighten me as to the difference between Mode
> A and mode
> b cw ?
>
> Larry Ac5ez
> Qcwa
>
>

>

Date: Thu, 9 Jul 1998 12:33:42 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Art Marshall <artm@t-com.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14741] Re: FW: Fish Story or Know
Message-ID: <Pine.3.89.9807091202.B13582-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII

On Thu, 9 Jul 1998, Art Marshall wrote:

>

> Actually, in the 50's I used a Heathkit AC-1 antenna coupler which had a neon bulb mounted in the front panel for tuning. Had another soldered to the antenna wire from the AC-1 tuner, that one was for effect. still have that station today.
<http://www.vistech.net/users/w1fji/realpage.html>

> page down to w1fji's museum later, ooops 73's art w1fji

>

Art, You're still alive! Small world!

I'm ex-WN1GIV and remember riding my bicycle from Wareham to New Bedford several times to visit you and another friend whom I can't pull up from memory at the moment. I was 15 at the time and was very impressed by that blinking light on your Heathkit tuner (can still picture it 43 years later). I had a homebrew crystal controlled 6AG7 with one 80M Xtal. The only way I knew I was making RF was to pull a little from the output with a knuckle and smell the burning skin. My memory is a little hazy now, but I think the last time I saw you was when I got adventuresome and took a bus ride by myself from Wareham to New Bedford...

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Thu, 9 Jul 1998 11:24:15 -0500
From: applitech@mcg.net (Claton Cadmus)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14742] Re: Linear Loading
Message-ID: <017201bdab57\$aaaab4f20\$a10a5e2c@groucho>

I good alternative to linear loading is to install capacitance hats to the dipole ends. The best source from information is to review the sections on shortened verticals in an antenna handbook and apply the techniques to each side of the dipole.

Hope this helps.

73 de KA0GKC Claton Cadmus
cla@mcg.net
MNQRP #1
Minnesota QRP'ers we're looking for you!
Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Thu, 09 Jul 1998 11:42:32 -0500
From: plundy@max.state.ia.us (Paul Lundy)
To: jrybak@mesa7.mesa.colorado.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14743] Re: Possible CB to 10 Meters Mod???
Message-ID: <35A4F2F7.F83E8667@max.state.ia.us>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Back many moons ago Bob Heil over in Peoria had schematics and boards w/parts for CB to 10m FM conversions specifically for the HyGain series I, II, III, IV CBs. I did that and worked very well. When the Iowa State Patrol surplused their HyGain IIs they were gone in a heartbeat (by that time, the Heil mods had really caught on around here). If you recall, Heil is the one who now does specialized aftermarket microphone components. My point in all this is that maybe Heil and others can develop and market some other mod programs for some of the recent CB radios whose fundamental design of harmonic stages, etc. differ from the old HyGains. Anyone out there know Bob Heil personally? Is he still around? If so, you may want to approach him on this issue before the solar freckles really get going this time. 72/73 Paul, K0LKH

James P Rybak wrote:

> Recently, a couple of people have been talking about getting a project
> going to modify a CB rig to 10 meters. Yesterday, I received my Tech
> America flyer with the "GE Help" CB HT listed for \$17.76, (yes,
> \$17.76) complete with mag mount antenna, power cord, and storage case.
> Max output is 4W. It's a 40 channel HT.
>
> Does anyone know if these rigs could be converted easily to 10 meters?
>
> Thanks.
>
> Jim Rybak W0KSD

Date: Thu, 09 Jul 1998 06:05:47 -0400
From: David Fouchey <dafouche@jax-inter.net>
To: w5yr@swbell.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [14744] Re: Fish Story or Know
Message-ID: <3.0.1.32.19980709060547.00818330@jax-inter.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Reading Georges account reminded me that my first transmitter didn't have a meter to use in tuning the final, I used a flourecent lamp next to the pi net coil and tuned for max brightness, while monitoring the signal on my rx through an attenuator....worked pretty good, but then I didn't leave the light there all the time. Being a rock bound novice it was tune it up once and forget it until I changed the antenna. (only had one crystal!)

Dave
wa4emr
former wn8axg/wb8axg (back in the 60's)

At 10:33 PM 7/8/98 -0500, George T. Baker wrote:

>Don't knock fluorescent tubes on antennas as tuning aids!
>
>As a youngster about 16 or 17, living on the family farm, I had a 260 ft
>longwire antenna running from a 20' "tower" at the shack to a 20'
>gasoline sign post at a store along side the nearby highway. At the sign
>end of the wire I taped a 4' lamp to the wire - capacitive coupling
>only.

>
>I would tune the antenna on various bands by adjusting the tuner for max
>lamp brightness. This was at night - during the day, I tuned by the size
>of the arcs I would draw off the tuner tank!
>
>Don't know about TVI since we didn't have TV to begin with in those
>days. But that blinking light apparently suspended in space sure shook
>up a lot of drinking drivers in the wee hours of the morning as they
>came down the road returning from a nearby beer joint!
>
>Worked a lot of good DX on 40 and 20 even with only 20' of antenna
>height (at the ends). Maybe the added radiation from the lamp made the
>difference.
>
>Stew, I particularly enjoyed that part about sweeping up _inside_ the
>vacuum tubes!
>
>--
>72/73, George
>Amateur Radio W5YR, 52 years and counting!
>QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
>AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)
>
>
>Stewart Whitehouse wrote:
>>
>> Hi folks.
>> This reminds me of my old Navy days when I was stationed
>> in a famous national park in Maine.
>>
>> The farmers around the submarine broadcast facility in Cutler
>> would light their barns by tapping into their barbed wire fences.
>> Boy their barns must have blinked at about 18 wpm!
>>
>> As I recall the transmitter ran MEGA watts on 17KHZ, and
>> submarines around the world could copy the broadcasts while
>> submerged! Maintenance included changing elements, and sweeping
>> up, in the vacuum tubes.
>>
>> Also remember a certain club station in Pensacola that had a
>> florescent light tube taped to a 20 meter dipole; talk about TVI!
>>
>> Have fun all
>> 72
>> Stew KE4YH
>> Dunedin, Florida
>> EL88oa
>

>
>

Date: Thu, 9 Jul 1998 11:50:10 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [14745] Mode a & b
Message-ID: <893-35A4F4C2-132@mailtod-122.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Sri abt not being clear. I was refering to the curtis chip mode A & mode B functions. Thanks all for info. I think I have a grip on it no.

Larry Ac5ez
Qcwa

Date: Thu, 9 Jul 1998 11:56:53 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: malman@world.std.com
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [14746] SW40/30
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C8A6FD3@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Joel:

This rig is varactor tuned, so the frequency increases (tuning capacitance decreases) as the tuning voltage increases.

To reverse the direction of tuning swap the leads at the ends of your tuning pot.

If you want frequency to increase as you turn the knob in a clockwise direction, the counterclockwise terminal on the pot (as viewed from the knob end of the shaft) should be at ground potential (grounded), and the clockwise terminal should be at 8v.

73, Bob N6WG

Date: Thu, 09 Jul 1998 12:57:53 -0400
From: Ken Newman <n2cq@citnet.com>
To: njqrp@njqrp.org
Cc: QRP-L@Lehigh.EDU
Subject: [14747] Half-Square Question
Message-ID: <1.5.4.16.19980709165720.2587818a@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Group,

I have been reading a bit on the half-square antenna for possible field use. The inverted U configuration with 1/4 wave verticals and the horizontal 1/2 wave phasing wire and fed at the top of one of the verticals, was discarded in my plans unless I was operating from the second floor. Next choice mentioned was to end-feed it at the bottom of one of the verticals. Since feeding that way would end up with two verticals, phased 90 degrees from the second story version. The second story version is said to be a figure 8 on the broad side. Wouldn't the end fed version have it's pattern to point the ends toward the desired DX instead of broadside from the second story design?

72/73,
Ken Newman, N2CQ
Woodbury, NJ
N2CQ@Citnet.com

Date: Thu, 09 Jul 1998 12:01:58 -0500
From: James Parsons <k5rov@wcc.net>
To: dafouche@jax-inter.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14748] Re: Fish Story or Know
Message-ID: <35A4F786.91D618F6@wcc.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

When I started hamming in 1939, we used to take a pilot lamp (GE-47?) and solder a two turn loop of wire to it. we would hold that close to the final tank coil, and tune for maximum brightness. I can even remember using a pencil and touching the final tank coil. We would tune for maximum spark. I was not a very bright kid, and am amazed I am still here.

Jim, K5ROV

David Fouchey wrote:

> Reading Georges account reminded me that my first transmitter didn't have a
> meter to use in tuning the final, I used a fluorescent lamp next to the pi
> net coil and tuned for max brightness, while monitoring the signal on my rx
> through an attenuator....worked pretty good, but then I didn't leave the
> light there all the time. Being a rock bound novice it was tune it up once
> and forget it until I changed the antenna. (only had one crystal!)

>

> Dave

> wa4emr

> former wn8axg/wb8axg (back in the 60's)

>

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> >

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> >

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> >came down the road returning from a nearby beer joint!

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> >Worked a lot of good DX on 40 and 20 even with only 20' of antenna

> >height (at the ends). Maybe the added radiation from the lamp made the

> >difference.

> >

> >Stew, I particularly enjoyed that part about sweeping up _inside_ the

> >vacuum tubes!

> >

> >--

> >72/73, George

> >Amateur Radio W5YR, 52 years and counting!

> >QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

> >AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

> >

> >

> >Stewart Whitehouse wrote:

> >>

> >> Hi folks.
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> >> in a famous national park in Maine.
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> >> The farmers around the submarine broadcast facility in Cutler
> >> would light their barns by tapping into their barbed wire fences.
> >> Boy their barns must have blinked at about 18 wpm!
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> >> As I recall the transmitter ran MEGA watts on 17KHZ, and
> >> submarines around the world could copy the broadcasts while
> >> submerged! Maintenance included changing elements, and sweeping
> >> up, in the vacuum tubes.
> >>
> >> Also remember a certain club station in Pensacola that had a
> >> florescent light tube taped to a 20 meter dipole; talk about TVI!
> >>
> >> Have fun all
> >> 72
> >> Stew KE4YH
> >> Dunedin, Florida
> >> EL88oa
> >
> >
> >

--

James (Jim), Parsons, K5ROV USAF, Ret.
k5rov@wcc.net QCWA, NWQRP, Fists, ARRL
EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
JOHN 3:16

Date: Thu, 09 Jul 1998 12:59:18 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@Lehigh.EDU>
Subject: [14749] Help for the balun impaired
Message-ID: <35A4F6E6.24C0AF8C@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

With the indoor antenna night coming up, I want to get my indoor slinky antenna running. I'd like to build a balun to match the coax out of the tuner to the 300 ohm twinlead to the dipole.

I bought some "binocular" cores from Dan's. 9/16" x 1/4" , #61 material. Would this be a useable core for a low power (4 watt) balun? If so, how do I wind it? I have an old ARRL antenna book but it only talks about winding baluns on torroid cores.

Please help.

72 de ku4qo
Mike Maiorana

Date: Thu, 09 Jul 1998 13:22:40 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [14750] Re: ICOM and 2sk125 fet
Message-ID: <35A4FC60.960@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

2sk125s are available from

RF Parts Co
435 South Pacific St
San Marcos, CA 92069
USA

Phone: 760-744-0700
800-737-2787 (orders only)
Fax: 760-744-1943
Email: rfp@rfparts.com
Web Site: <http://www.rfparts.com>

Date: Thu, 09 Jul 1998 10:18:42 -0700
From: Andy Fox <foxes@theriver.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14751] Screwdriver Antenna

Message-ID: <35A4FB71.8193F430@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello,

Here is how I found information on this antenna earlier in the week, while researching ways to put up low-profile antennas on a postage-stamp sized lot.

- 1) Reviewed the welcome message for instructions on how to search the archives. The welcome message is located at:
<ftp://ftp.lehigh.edu/pub/listserv/qrp-l/welcome.txt>
- 2) Searched the 1998 archives for posts containing "screwdriver." Sent SEARCH QRP-L/ARCHIVES/1998 "screwdriver" to listserv@Lehigh.EDU as instructed in the welcome message.
- 3) Ten minutes later, I checked my e-mail, and found matches in 14 of the daily archives. I then went to the archives at:
<http://listserv.lehigh.edu/lists/Archives/qrp-l/other.html>

I checked each of the archives in turn, and used the search feature in Netscape (CTRL-F) to locate each instance of the string "screwdriver."

- 4) I found lots of interesting information about the antenna. Of particular interest is that the developer is Don, W6AAQ, that Chris, N3XRV arranged a group buy of 47 or so of this antenna mid-March of this year.

It looks like a bunch of people on this list have purchased this antenna recently. What do you guys and girls think of the antenna?

--

72/73 de Andy, KK7HV - QRP-L #1286 - Tucson, AZ

Date: Thu, 9 Jul 1998 12:26:22 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: eakwikjr@hti.com
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [14752] Re: Loop Antenna questions
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C8A6FEA@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="ISO-8859-1"

Ed, I would vote for answer nr. 5. :-)

After all, one of the great joys of hamming (at least for some of us) is mucking around with antennas.

Like you, I started with an inv vee, and as an experiment tied the bottom across to make a delta. I was fortunate in having more height at the apex, however. I had a mast about 30 ft tall, with a 3 ft piece of pvc at the top as an insulator. This held up my inv vee.

To feed the delta I tried the apex, the bottom center, and one corner. I settled on the bottom corner for two reasons. One of course was ease of access and shorted feedline. The other was that it gave mixed vertical and horizontal polarization, improving the longer haul prospects. A low dipole just doesn't cut it from here on the west coast.

Later, for mainly vertical polarity, I connect the feed about 33-34 ft down from the apex (this is for 40m).

Now, another possibility you didn't mention is a horizontal loop. I have one on the roof of my house. It has three sides, roughly equal in length, and resonated at 7 MHz. I feed it with 300 ohm twinlead and a balanced tuner in the shack. Works well on all bands, and is a good complement to my vertically polarized loop.

I just used TV twinlead standoffs about 6 inches long, screwed into the roof to support the horizontal loop. As I recall it is about #20 enameled wire. If you have a good parallel tuner, the loop doesn't even have to be resonant.

Hope this gives you a few ideas, Ed.

Good luck and 73

Bob N6WG

Date: Thu, 09 Jul 1998 10:30:10 -0700
From: Andy Fox <foxes@theriver.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14753] Re: Screwdriver Antenna
Message-ID: <35A4FE22.B04D8321@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The 980317 archive had a nice description of tuning this antenna using an antenna analyzer and coax switch.

--

72/73 de Andy, KK7HV - QRP-L #1286 - Tucson, AZ

Date: Thu, 09 Jul 1998 10:39:37 -0700
From: Andy Fox <foxes@theriver.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14754] Power Supply Efficiency
Message-ID: <35A50059.3FADE624@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello,

Does anybody know good values to use for power supply efficiencies? I am particularly interested in the following Astron linear and switching supplies, since I think they're all used quite commonly.

RS-20A
RS-35A
SS-25
SS-30

I would assume 50% for the linears and 75% for the switchers, but would like to use better numbers if possible. No luck so far with a request from Astron.

--

72/73 de Andy, KK7HV - QRP-L #1286 - Tucson, AZ

Date: Thu, 9 Jul 1998 13:46:45 -0400
From: Willie Martin <71052.134@compuserve.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [14755] Tuna Tin 2
Message-ID: <199807091347_MC2-52A4-84F@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

The pictorial (QRPP, Spring 1998) for the Tuna Tin 2 shows "J3" as the power connector, but the schematic has "J4" as this connector. Should power be applied thru "J3" as wired and shown on Fig 1 in QRPP? =

Which connection on the key jack (Stereo) should be used as the positive connection? Would a mono key jack be a better choice?

Need clarification prior to making a smoke test. Inputs/advice is appreciated. Not too keen on electronics, but trying to make the TT II =

work..

72,

Willie C. Martin

KE6DKH/5 "Texarkana is Twice as Nice" Texarkana, AR/TX

Date: Thu, 9 Jul 1998 12:53:57 -0600 (MDT)
From: marion@montana.com
To: qrp-l@Lehigh.EDU
Subject: [14756] SST sidetone
Message-ID: <199807091853.MAA18089@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

After unsuccessfully trying various methods to reduce the sidetone on my SST, I decided to ask someone who knows the best way to go about it. That someone was Wayne, N6KR, The rigs designer. The following info works with mine with some values adjusted for best performance.

Hi Roy,

Usually there is a good balance between the incoming signals and the sidetone in the SST. But you're right--if you have to turn it way up, the sidetone gets loud.

The only sure-fire way to mute the sidetone to a lower level is to insert a low pinch-off JFET like a J201 into each leg of the audio connection from the product detector to the audio amp. This is how I do it in the '40A. Actually you can probably find other JFETs that will work; J310s are mostly low pinch-off, too. MPF102s will work if you hand-select them for low pinch-off.

The source leads go to the '602 and the drains to the original capacitors that go to the '386. Tie the gates together and add a 1 to 10M pull-up resistor from the gates to one of the source leads. Next, connect a diode

from the gates to the key input. Test the circuit thus far by keying the rig: you should hear ZERO sidetone at this point, because pulling the gates low cuts off the JFETS, making them look like an extremely high resistance. If you hear a click on keydown, put a resistor (start with 1K) in series with the gate diode. If you hear a click on key-up, add a capacitor from gates to ground; start with about 0.1uF and see if you can go smaller. (It will depend on the pull-up resistor; 10M and .047 work well in most cases.)

Once this much is working, you can add a resistor *across* one of the JFETs (source to drain) to allow some sidetone to sneak through--as much or as little as you want. It will take a large resistor, something like 1 to 15M in my experience.

Let me know if this does it! You might also post this message to QRP-L if you have good results.

Thanks & 73,
Wayne
N6KR

I was able to use some bargain J305s, no matching effort was done. They completely muted the sidetone. I did not use the resistor to bypass some of the tone, as I have the KC1 installed, so I use its sidetone. In my case the pull up resistor is 2megohms, the capacitor to ground is .1mfd. Keyline is a 1k resistor in series with 1N4148 switching diode. No clicks or pops, smooth QSK. Did loose some of the ability to hear other stations at the same time as in transmit, but don't have to juggle the volume all the time now either. A big thanks to Wayne. 72 Roy AB7CE

Date: Thu, 09 Jul 1998 14:03:56 -0400
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: qrp-l@Lehigh.EDU
Subject: [14757] Re: ICOM and 2sk125 fet
Message-ID: <3.0.1.16.19980709140356.3e2ff086@mail49.mci2000.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

2SK125 also available from Consolidated Electronics in Dayton
1-800-543-3568

My 1995 catalog has them listed for \$1.60 each

GL.....Jim

Jim Kortge, K8IQY (ex NU8N) | NorCal, QRP-L
jokortge@mci2000.com | __o H.F. bicycle mobile
Fenton, MI | _`\
... .. (*)/(*)
NorCal 38S/30 Log - 34 States; 40 Countries - Running 3 watts
Most recent - Iowa Mauritius

NorCal 38S/17 Log - 22 States; 51 Countries - Running 1.5 watts
Most recent - Alaska Ecuador

Date: Thu, 09 Jul 1998 14:17:33 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [14758] Rotatable Dipoles/D3W
Message-ID: <19980709.181623.6647.4.n4so@juno.com>

D3W World Ranger Dipole
Cushcraft Corp. has the D3W rotatable dipole for 24, 18 and 10 Mhz. I
have
thought about buying one. The heavy wall tubing lasts for several years
vs.
wire antennas. AES catalog has it on page 102 with other single and
multi-band
models. Mounts on a lightweight tower.

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Date: Thu, 9 Jul 1998 15:02:08 EDT
From: ARDUJENSKI@aol.com

To: qrp-l@Lehigh.EDU
Subject: [14759] 160, 80M RESTRICTED SPACE ANTENNA
Message-ID: <3492ca47.35a513b1@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

SEE: <http://www.qsl.net/g3pto/roofant.html>

The above site contains an interesting restricted space antenna that consists of a random wire with a coil at the end plus several "radial wires connected to a loading coil that act as a capacitance hat.

It can be used for 80 AND 160M.

Alan KB7MBI

Date: Thu, 09 Jul 1998 11:01:38 -0600
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14760] PLL chip on the GE help HT?
Message-ID: <35A4F6CF.3FDB@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello QRPer's,

Has anyone received there GE CB HT from Tech America yet? When you do, open it up and see what the PLL chip number is and I will find out if it is convertible to 10. I will spring for the info on this. Maybe most of us should hold out till we find out if it readily convertalbe.

72, Tom WB5QYT

--
Enjoying QRP and QRP-L!
Rigs: Ten Tec Argo 509, SST-30, GM-15, OHR Spirit 40, Emtech NW20

IC-706, 38S, 49er, Bare Essentials, Mizuho MX-7s, HW-8, St.L tuner

Org: QRP-L 640, scQRPion 22, Norcal 1979, Fists 4465, ARS 396

Home of the "spud gun antenna launcher"-Kite antennas- RR mobile

Date: Thu, 09 Jul 1998 14:11:30 -0500
From: Glen Reid <k5hgb@flash.net>
To: QRP-1 List <qrp-1@Lehigh.EDU>
Subject: [14761] CB to 10 M Conversion
Message-ID: <35A515E2.DABFD3EC@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

I have one of the original Hy-Gain CB boards that were the subject of the series of 73 articles back during the 70's. I think I also have most of the 73 articles also.

It is gathering dust in my store room. If anyone wants it AND will actually put it on 10 meters, I will let it go for the shipping charges.

Private email if you are interested.

73

gr

--

GLEN REID
K5FX/M BGF

Formerly K5HGB

Austin, Texas
...in the beautiful hill country of TEXAS...

Austin QRP Club # Pi

Email: k5hgb@flash.net

Date: Thu, 9 Jul 1998 12:11:12 -0700 (PDT)
From: Richard Fisher <nu6sn@yahoo.com>
To: qrp-1@Lehigh.EDU
Cc: nu6SN@aol.com

Subject: [14762] Now showing: July's edition of The ARS Sojourner
Message-ID: <19980709191112.26257.rocketmail@send1e.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

THE ARS SOJOURNER, JULY 1998

The July edition of the Adventure Radio Society's monthly web magazine The ARS Sojourner has been pieced together, polished-up and is posted on the ARS web site: <http://www.natworld.com/ars>

Some of the features in the July issue include:

-- TOP GUNS. A backpackers' view of VHF QRPing from the "Top of the World." Amazing, isn't it, what a hiker can do with simple radios and antennas? Of course, those thousands of feet of elevation don't hurt, either.

-- GETTIN' READY. An expert's primer on packing your pack: tripping the light(weight) fantastic. What is "too much?" Or "not enough?" A simple -- but complete -- inventory and valuable guidelines show the way.

-- HIGH HOPES. Ever wonder how high your trailside aerial REALLY is? Here's an accurate, simple and inexpensive antenna altimeter, right out of the "Clever Ideas Department." You won't leave home without it.

-- ALSO: Your letters to the editor, results and soapbox comments from Monday's July Spartan Sprint, a calendar of upcoming operating events, a perspective "From Our Vantage Point," and much more.

The ARS Sojourner is a free publication of the Adventure Radio Society. To see back issues, simply open the magazine and click on ARS Archives.

As always, we value and appreciate your comments, suggestions and criticisms. We also welcome your stories, photographs and graphics.

On behalf of web master Russ Carpenter, AA7QU, and the whole staff, here's hoping you enjoy this edition of The ARS Sojourner. Let us know what you think of it.

Vy 72,

Richard Fisher, nu6SN
Executive editor, The ARS Sojourner
nu6SN@aol.com

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 09 Jul 1998 19:41:47 +0000
From: Ed Loranger <we6w@qsl.net>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14763] Re: 160, 80M RESTRICTED SPACE ANTENNA
Message-ID: <35A51CFB.68CA@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A couple of the images are not found. Upon investigation,
Halo.gif is HAL0.gif and 'Rev.gif' should be REV.gif
for those of you needing those drawings.

neat stuff, and tks Alan and G3PT0 for the info.
-Ed

--
72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Thu, 09 Jul 1998 15:55:12 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-l@Lehigh.EDU>
Subject: [14764] Elmer101: who should post?
Message-ID: <35A52020.CB629065@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here is a quote from an email sent to me regarding the Elmer101 class and it's progress. I am a firm believer in what is said here and would like everyone to adhere to it. Thanks!

My biggest gripe with the project is that it appears that much of the discussion is taking place offline, between individuals where the rest of the group can't read it. I would encourage all elmer participants to either conduct these discussions on the list so everyone can read them

--
72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"And if I have prophetic powers, and understand all mysteries and all knowledge, and if I have all faith, so as to remove mountains, but have not love, I am nothing"

Date: Thu, 09 Jul 1998 12:59:35 -0800
From: "Russ Carpenter" <russ@natworld.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [14765] Results of the JULY SPARTAN SPRINT
Message-ID: <199807091953.MAA15593@guppy.pond.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

July's Spartan Sprint was outstanding. We had excellent participation and darn good conditions. 40 meters was so so, but 20 meters was hot. Here in the land of trolls, 20 meters was open to every part of the country.

The Soapbox includes some great stuff, and has been posted on The ARS Sojourner at <http://www.natworld.com/ars>.

The results for the Skinny Division (sorted in order of points per pound).

Call	Name	40 M	20M	Total	Weight	Points/ Pound
AA7QU	Russ	6	34	40	2.7	14.81
K0YO	Mike	0	16	16	1.25	12.80

AB7TK	Randy	2	19	21	2.5	8.40
AC6YB	Eric	2	0	2	.4	5.00
WF4I	Derek	9	9	18	4.2	4.29
K4AUX	John	6	7	13	7	1.86
N6GA	Cam	0	4	4	2.7	1.48
WV3J	Paul	6	2	8	5.8	1.38
KD7AEE	Og	5	28	33	30	1.10
VE3ELA	Ken	15	6	21	30	0.70
W5RXP	Rich	1	11	12	20	0.60
NA1XX	Mike	7	0	7	15	0.47
W9SUL	Dave	1	13	14	30	0.47
K06KA	Robert	2	3	5	11	0.45
W5ZA	Steven	0	13	13	30	0.43
AL7FS	Jim	0	13	13	30	0.43
KC8JIE	Ed	5	6	11	30	0.37
AB0GO	David	0	10	10	30	0.33
KB9LCK	Chris	6	3	9	30	0.30
W6SU	John	0	9	9	30	0.30
AC6XK	Lorraine	1	0	1	3.4	0.29
NR1C	Mike	8	0	8	30	0.27
N0GLM	Preston	4	0	4	30	0.13
WE6W	Ed	3	0	3	30	0.10
K8ZAA	Randy	0	9	9	10,8	0.08

The results for the Tubby Division (sorted in order of points)

Call	Name	40 M	20M	Total
AA7QU	Russ	6	34	40
KD7AEE	Og	5	28	33
AB7TK	Randy	2	19	21
VE3ELA	Ken	15	6	21
WF4I	Derek	9	9	18
K0Y0	Mike	0	16	16
W9SUL	Dave	1	13	14
K4AUX	John	6	7	13
W5ZA	Steven	0	13	13
AL7FS	Jim	0	13	13
W5RXP	Rich	1	11	12
KC8JIE	Ed	5	6	11
AB0GO	David	0	10	10
KB9LCK	Chris	6	3	9
W6SU	John	0	9	9
K8ZAA	Randy	0	9	9
NR1C	Mike	8	0	8
WV3J	Paul	6	2	8
NA1XX	Mike	7	0	7

K06KA	Robert	2	3	5
N6GA	Cam	0	4	4
N0GLM	Preston	4	0	4
WE6W	Ed	3	0	3
AC6YB	Eric	2	0	2
AC6XK	Lorraine	1	0	1

Thanks to all who participated!

Russ Carpenter, AA7QU
Contest Manager

Date: Thu, 09 Jul 1998 12:56:37 -0800
From: "Russ Carpenter" <russ@natworld.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [14766] Bee Alert!
Message-ID: <199807091953.MAA15584@guppy.pond.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I bet you can hear them now. A faint buzzing in the distance. Nearly 100 Bumblebees getting ready for four hours of pure entertainment on Sunday, July 26.

In this nifty sprint, the chasors have just as much fun as the chasees. So if you're thinking about being a home-based participant in The Flight of the Bumbleness, hesitate no more. Just get out thy pencil and mark July 26.

For the rules and a lot of other great stuff, stroll on over to The ARS Sojourner, at <http://www.natworld.com/ars>.

Russ Carpenter, AA7QU
Contest Manager for the Adventure Radio Society

Date: Thu, 9 Jul 1998 15:52:58 -0400
From: w2bj@juno.com (Barry J Minsky)
To: qrp-l@Lehigh.EDU
Subject: [14767] TECHAMERICA
Message-ID: <19980709.155259.4350.0.w2bj@juno.com>

Does anyone have a phone number for Tech America? Thanks

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,

Knightlites, Adventure Radio Society #359,

Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers
Club #3723

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Date: Thu, 9 Jul 1998 14:17:59 -0600

From: "Marshall Emm" <mgemm@mtechnologies.com>

To: David Shalita <af389@lafn.org>

Cc: qrp-l@Lehigh.EDU

Subject: [14768] Re: Digital Camera

Message-ID: <199807092016.0AA26141@edison.chisp.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Hi, Dave--

I took almost all of the photos on the Milestone Technologies, N1FN, and CQC web sites with a Sony Mavica MVC-7 camera. A good example page is <http://www.mtechnologies.com/cqc/gallery/fd98.htm> which has the Field Day pix including one closeup.

The big advantages of the MVC are 1) it has a 10x *optical* zoom, which will focus from about 3/4" to infinity, 2) very good autofocus with a manual focus option, and 3) uses 3.5" diskettes for storage.

Disadvantages are cost, and the fact that it takes time to write to the diskette.

Hope this helps....

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com
Morse Express
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(303)752-3382
--

Date: Thu, 09 Jul 1998 16:28:51 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: mgemm@mtechnologies.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14769] Re: Digital Camera
Message-ID: <35A52803.BDB1AB31@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This may sound old fashioned, but how about a decent 35mm camera and a scanner? Scanners are cheap and allow much greater resolution than a digital camera. You do have another step, scanning the picture, which could slow you down if you had a ton of pictures to do.

--
72 de ku4qo
Mike Maiorana
Palm Harbor, FL

Date: Thu, 9 Jul 1998 15:33:35 +0500 (GMT-5)
From: Jim Osburn <wd9eyb@butler.indiana.net>
To: qrp-1@Lehigh.EDU
Cc: wvara@butler.indiana.net (WVARA), KB9RPD@aol.com (Ted), hartzler@abcs.com (Wayne), k9ere@hotmail.com (Gary), WTHI99C@prodigy.com (Jeff), carpentt@citrine.indstate.edu (Todd), n9ta@bluemarble.net (Fred), n9dd@aol.com (Tom), allandavis@mindspring.com (Allan), w9ya@amsat.org (Bob),
Subject: [14770] Scanning 2 Meters At Indy Fest
Message-ID: <199807091033.PAA01404@butler.indiana.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

At the Indianapolis Hamfest I will be scanning 144.585 MHz and 146.595 MHz. The first is the QRP FM calling frequency according to a recent post.

The second is the WVARA calling frequency, of which I'm a member.
If you're at the fest, give me a call.
I will be using my Alinco DJ-S11 handheld, which is itty bitty and at
300 mW is certainly QRPP.

Jim, WD9EYB
wd9eyb@qrp.com

Date: Thu, 9 Jul 1998 14:55:07 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Michael Maiorana <mikemo@ibm.net>
Cc: qrp-1@Lehigh.EDU
Subject: [14771] Re: Digital Camera
Message-ID: <199807092053.0AA27260@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, Mike--

>>This may sound old fashioned, but how about a decent 35mm camera and a
scanner? Scanners are cheap and allow much greater resolution than a
digital camera. You do have another step, scanning the picture, which could
slow you down if you had a ton of pictures to do.
<<

The scanning does slows you down, but not as much as getting the film
processed. Main thing for me has been the ability to go back and fix a
probably almost instantaneously. There's one picture on my web site that
I must have wasted 6 rolls of film on over the years trying to get a
halfway decent shot. Took three goes with the digital-- and only about 20
minutes total from pushing the button to having it on the web.

The photo in question is at <http://www.mtechnologies.com/n1fn/automors.gif>
and it was taken with the cheapest digital around, before I got the MVC-7.
Yes, I'll re-do it one of these days (it deserves more than one image
anyhow).

I still use film, but less frequently and with less grace! Bottom line is
I try to suit processes to goals, and for pix on web pages you
can't beat digital for economy and efficiency.

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

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--

Date: Thu, 9 Jul 1998 18:04:00 -0400

From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>

To: QRP List <qrp-l@Lehigh.EDU>

Subject: [14772] RE: Mode A and B

Message-ID: <m0yuNoK-000Z1DC@mgate.arrl.org>

Larry B, (ac5ez@webtv.net), writes:

>

>Sri abt not being clear. I was refering to the curtis chip mode A & mode
>B functions. Thanks all for info. I think I have a grip on it no.

Although it may not be the best explanation, this may help:

Technical Note: Type A and B Iambic keying.

With Type A keying, when both paddles have been pressed simultaneously, the last dot or dash being sent when the paddles are released is completed and nothing else is sent. (Example: hold down the dot paddle then press the dash paddle, then quickly release both. The result will be dot, dash.)

With Type B keying, when both paddles have been pressed simultaneously, the last dot or dash being sent when the paddles are released is completed and an opposite element is also sent. (For the same paddle presses above, this would result in a dot, dash, dot sequence).

Type B keying is preferred by some operators as a way of sending more code elements for less paddle presses, but the paddle press timing becomes more critical for characters with short sequences (N, A, etc.)

73, Michael Tracy, KC1SX, ARRL Lab

Date: Thu, 09 Jul 1998 14:04:05 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@Lehigh.EDU
Subject: [14773] Watch out for this Bumble Bee
Message-ID: <35A53045.7E203D57@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends,

A couple days ago I made a test run to my 1998 "ARS Flight of the Bumblebees" operating site in the central California Sierra mountains. I found a place to set up my station on the edge of a sheer cliff overlooking a scenic valley some two thousand feet below. The best part is that it's only a 2.3 mile hike from my regular campsite.

I'm looking forward to working as many of you as I can on Sunday, July 26th during this four-hour sprint. If you missed last year's contest, you owe it to yourself join the fun this year.

=====
Bill Jones - KD7S/BB <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Thu, 09 Jul 1998 16:19:48 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: w2bj@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14774] Re: TECHAMERICA
Message-ID: <35A533F4.68EF2EF1@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Barry J Minsky wrote:

>

> Does anyone have a phone number for Tech America? Thanks

TechAmerica Catalog Contacts:

Main Order Number: 1-800-877-0072
24-Hour Fax Ordering Service: 1-800-813-0087
Customer Service: 1-800-613-7080
Commercial Account Service: 1-800-442-7221
Commercial Account Fax: 1-800-363-7355

Catalog Mailing Address:
P.O. Box 1981
Fort Worth, TX 76101-1981

Catalog Returns Center Mailing Address:
3131 Bolt Street
Fort Worth, TX 76110

Catalog Office Hours:
Monday-Friday: 7 a.m. to 11 p.m.
Saturday: 9 a.m. to 8 p.m.
Sunday: 11 a.m. to 7 p.m.
(Central Time)

TechTips: (Product Support)
Phone: 1-800-876-5292
Hours: Monday-Saturday: 9 a.m. to 7 p.m.
Closed on Sundays and Holidays
(Central Time)

Date: Thu, 09 Jul 1998 14:32:42 -0700
From: Gary Hembree <Gary.Hembree@asu.edu>
To: tentec@contesting.com, qrp-l@Lehigh.EDU
Subject: [14775] Re: WTB: TenTec 9MHz Filters
Message-ID: <35A536FA.50A0@ASU.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Thanks for all of the offers for the 2.7KHz BW 4-pole filters. I now have enough to complete my current projects.

I still need another 250Hz BW model 219 though. Any out there?

73
Gary, N7IR

gary.hembree@asu.edu

Date: Thu, 9 Jul 1998 16:58:51 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-1@Lehigh.EDU
Subject: [14776] Re: QUESTION... FEEDING THE Half-SQUARE... Wire/Rope/Trees
Message-ID: <199807092158.QAA06198@ns1.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang:

I got the following e-mail (which I really enjoyed... and will protect the name of the ham who sent it... (need all the friends I can get) :-)

>Always enjoy hearing about your antenna notions, Joel, but for Pete's
>sake, get Roy's EZNEC 2.0 and save all that tree climbing!
>
>GEt healthier and stay that way. . .

No tree climbing here... :-) got my trusty rod and reel... works like a champ...at least till the tip broke... now works fairly good...
how much is the ez nec 2.0? funds are scarce here...

my wire has solder joints every ten feet or so, my coax is solder spliced... using four or five pieces to reach the shack... my ropes have numerous knots... which tends to hang up on the branches at the wrong time and place... I do have a few rolls of the 66 cents electrical tape from wal-mart... and I need to know if I can splice my pieces of twin lead together and feed the ant in the middle... the twin lead is lighter and produces a lot less sag in the driven element... my best anchor tree was knocked down by a wind storm... fell right on the house and took out the septic tank in the process... just as I was getting out of the hospital from the second open heart surgery in a a few months...(the doc messed up on the first one)... I got a withdrawal reaction from the pain medication the doc gave me and thought I was going the way of the "silent key" as my wife broke some speed limits to get me to the emergency room about thirteen miles down the road... I lost my qrp status because of using "gain antennas"... (don't handle flame e-mail well)... and I think I got poison ivy, oak, and whatever from doing some light work in the yard yesterday... My computer is a bit outdated, slow, due to little memory, no compact disk capability... The ham bands 40, 30, have been terrible lately

Oh, my favorite pet guinea pig (one of four) bit a bit out of my finger the other day... was checking her to make sure she was ok... the

motor on my electric weed eater burnt... went out in a puff of smoke... I lost the "flicker" for the tv set... I had to fight front end overload on my qrp++ for the cw vvv simple antenna last nite... heard four or five stations... only worked one... and my health care (hmo) is late with my medicines, so I have to pay full price for one or end up in the hosp again...

My code speed is down and the dx I want to work on forty and eighty is in the extra class portion, where I can't go...

I think I need to build a kit or something, but I need to get some tools and a new soldering iron... and a magnafyng glass, not to mention new glasses... and u know what... this silent key business doesn't look so bad right now... But then I would miss u guys and gals on qrpl so that's out of the question...

I really need for something to go right for a change...

Looking down the e-mail I got a reply to my question but I don't agree with it... My reasoning is... If I adjust my tuner so that the feedline is a high voltage point at the center of the phasing leg on the half square, I should get the correct phasing necessary for the half square (not bi-square as I called it) and if I adjust the tuner again for a low impedeance at the feed point I should be able to load the thing on eighty as a dipole...

If u guys/gals have been following my fiasco with these antennas u know I am no wizz at this but I really want this to work for me and I don't understand why it should not work if I can make the twin lead (open wire) feed line look like a high ipedeance on one freq and a low impedeance on another...

No flames please, just a good common sense explanation for a not too informed, displaced cajun... I'm not trying to be a smart _____ I just don't see why it shouldn't work under the conditions I think an open wire (twin lead) could provide...

Thank you

God bless

joel, wa5cvm, displaced cajun, in maine, with the big crawfish...

PS

ROY, WHEREVER U ARE, CAN U SEND ME INFO ON UR EZNC 2.0 maybe I can pass the hat around the family and get some contributions... :-)

God Bless

Joel

WA5CVM

Joel Denison

PO BOX 542

Strong, Maine 04983

jdenison@morelr.com

Gentlemen don't Cry, They QSY :-)

Gentle Lady (RC Sail Plane)(049 engine - start)

DIPOLE on 40mtr

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

AK/QRP 109

Date: Thu, 9 Jul 1998 14:02:48 -0800
From: "Larsen, Jim" <JLarsen@alascom.att.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [14777] QSL note to maybe 15 of you.
Message-ID:
<291F3DB584F5D1119BAF006008CE719E0D5060@ALASCOMEXC1.wins.alascom.att.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

To those waiting for a QSL card,

I want to apologize to as many as 15 of you for my getting behind on QSL cards. I usually return them within days. My excuses are death in the family in Iowa and my hospital time and recovery....and I just forgot. I will try to get to them in the near future. Thank you, Adam, for the follow-up that brought this to my attention. (Adam, your card went in the mail a couple of days ago.)

73, Jim, AL7FS

Date: Thu, 9 Jul 1998 19:02:23 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [14778] Stepper Motors for Solar Tracking
Message-ID: <001901bdab8d\$a2389ec0\$7e211ad1@titan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A friend of mine has a few large stepper motors with no data on them. I have these large solar panels I want to have track the sun ...

If I recall there was an article in one of the ham publications that used stepper motors and small solar cells to determine direction and 'balance.' Anyone remember these, or have any information on how one would go about something like this?

I did a small experiment using a standard toy motor, two solar cells mounted

on a boom connected to the rotor, and a flashlight. With the two cells connected to the motor in reverse polarity (it would probably be smart to use diodes in larger experiments) the rotor tends to turn toward the light source and 'balance' against it. As one cell has more potential it turns the motor in its direction.

Not knowing enough about stepper motors, I have no idea how to try this experiment on a larger scale using the parts we have at hand. Any suggestions or information on where to look? This will enhance the operation of my Picnic Table Operating Station. (No longer just an antenna!)

Tracy, N4LGH #1453

Date: Sun, 05 Jul 1998 12:08:30 -0600
From: Armstrongs <barmstrong@mail.SISNA.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [14779] Bumble Bee Stuff
Message-ID: <1.5.4.32.19980705180830.006aef40@mail.SISNA.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

N7XJ (Bumble Bee #2) will be operating from the stone tower atop 11,000 foot Musinea Peak in Central Utah (known locally as "Mary's Nipple").

I'm going to take my gear and hike to the top of Loaner Mountain tomorrow (Friday) for a trial run. I will be on 14060 MHz at about noon Mountain Standard Time. If you hear me, please call and give me a signal report.

Tnx, de Bob

End of QRP-L Digest 1147

